

NON-
BIDDING

PROPOSAL

TRANSPORTATION CABINET
Department of Highways
Frankfort, Kentucky 40622

PROPOSAL NO. _____
PROJECT CODE NO. 02-0758

LETTING OF DECEMBER 13, 2002
Sealed Bids will be received in the
Division of Contract Procurement
and/or the Auditorium located on the
1st Floor of the State Office
Building until 10:00 A.M., EST,
on DECEMBER 13, 2002. Bids will
be publicly opened and read at 10:00
A.M., EASTERN STANDARD TIME.

PROJECT IDENTIFICATION AND DESCRIPTION:

FE GR 02 0000025, NELSON-BRECKINRIDGE-GRAYSON COUNTIES

Cleaning and Painting.

(4)

GEOGRAPHIC COORDINATES:

LATITUDE - 37° 46' NORTH
LONGITUDE - 85° 28' WEST

COMPLETION DATE ESTABLISHED FOR PROJECT: NOVEMBER 15, 2003

LIQUIDATED DAMAGES SEE STANDARD SPECIFICATIONS

REQUIRED BID PROPOSAL GUARANTY: Not less than 5% of the total bid.

(Check guaranty submitted: Cashier's Check ☐ Certified Check ☐ Bid Bond ☐)

BID BONDS WHEN SUBMITTED WILL BE RETAINED WITH THE PROPOSAL.
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PART

- I SCOPE OF WORK
- II SPECIAL PROVISIONS APPLICABLE TO PROJECT
- III EMPLOYMENT, WAGE AND RECORD REQUIREMENTS
- IV INSURANCE
- V STATEMENT OF INCOMPLETED WORK AND SUBCONTRACTED WORK
- VI BID ITEMS
- VII CERTIFICATION

BID..... ☐ PROPOSAL ISSUED TO: _____

SPECIMEN..... ☐

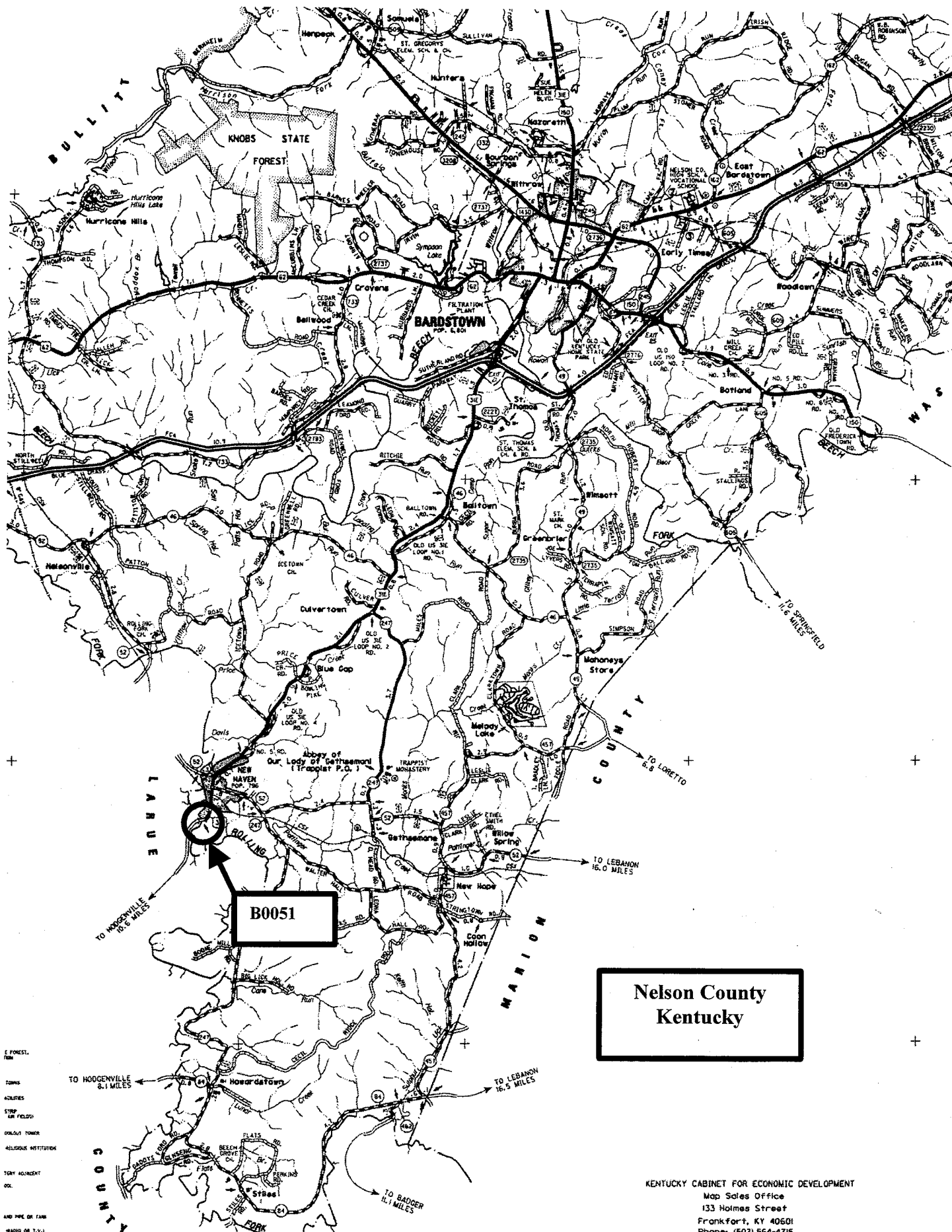
Address City State Zip

PART I

SCOPE OF WORK

1. Project Detail

- | | |
|--|----------|
| a. See Sketches (3 Sheets) and Description Summary | Attached |
| b. Special Notes Applicable to Project | Attached |
| c. Supplemental Specifications | Attached |
| d. Special Notes for FE GR 02 0000025 | Attached |
| e. Lane Closure 2-Lane Highway Case I (6-14-02) | Attached |
| f. Lane Closure 2-Lane Highway Case II (6-14-02) | Attached |
| g. Post Splicing Detail (6-14-02) | Attached |

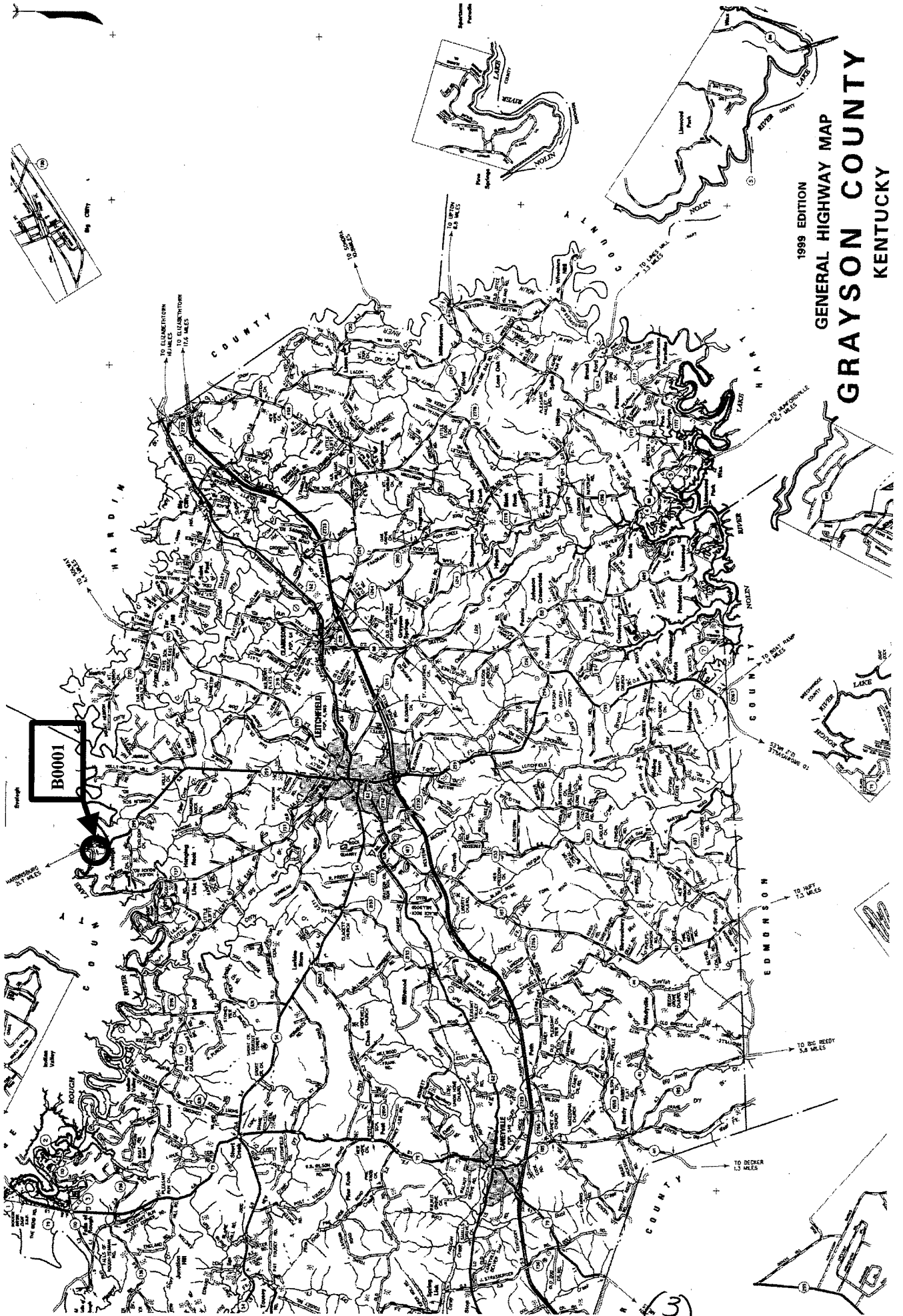


E. FOREST
 TOWN
 ACTIVITY
 STOP AND FIELD
 DENSITY TOWER
 ALLIGATOR INSTITUTION
 TOWN ADJACENT
 DOL
 AND WPC OR TAD
 HADDED ON T.V.

(1)

1999 EDITION

GENERAL HIGHWAY MAP GRAYSON COUNTY KENTUCKY



COUNTY	PROJECT NUMBER	DESCRIPTION
Nelson	FE02 090 0031E B00051	1. The Bardstown-Hodgenville Road (US 31E) Bridge over Rolling Fork River.
Breckinridge	FE02 014 00079 B00002	2. The Hardinsburg-Leitchfield Road (KY 79) Bridge over North Rough River.
Grayson	FE02 043 00259 B00001	3. The Hardinsburg-Leitchfield Road (KY 259) over Rough River.

SPECIAL NOTES APPLICABLE TO PROJECT

2000 SPECIFICATIONS

Any reference in the plans or proposal to the *Standard Specifications for Road and Bridge Construction, Edition of 1998*, and *Standard Drawings, Edition of 1998* are superseded by *Standard Specifications for Road and Bridge Construction, Edition of 2000* and *Standard Drawings, Edition of 2000*.

2001 SUPPLEMENTAL SPECIFICATIONS

The *2001 Supplemental Specifications* to the 2000 Standard Specifications for Road and Bridge Construction shall apply to this project.

PROPOSAL ADDENDA

All Addenda to this proposal must be incorporated into the proposal when the bid is submitted to the Kentucky Department of Highways. Failure to use the correct and most recent bid sheet(s) may result in the bid being rejected.

BID SUBMITTAL

Bidder must use the Department's Highway Bid Program available on the internet web site of the Department of Highways, division of Contract Procurement. (www.kytc.state.us/contract)

The Bidder must download the bid items created from the web site to prepare a bid proposal for submission to the Department. The bidder must insert the completed bid item sheets printed from the Program into the bidder's proposal and submit with the disk created by said program.

JOINT VENTURE BIDDING

Joint Venture bidding is permissible. However, both companies MUST purchase a bidding proposal. Either proposal may be submitted but must contain the company names and signatures of both parties where required. A joint bid bond of 5% may be submitted for both companies or each company may submit a separate bond of 5%.

UNDERGROUND FACILITY DAMAGE PROTECTION

The contractor is advised that the Underground Facility Damage Protection Act of 1994, became law January 1, 1995. It is the contractor's responsibility to determine the impact of the act regarding this project, and take all steps necessary to be in compliance with the provisions of the act.

ASPHALT BASE PRICE

The Asphalt Base Price shall be \$165.00 (english) as applicable in Section 109.07 of the *2000 Standard Specifications*.

**Supplemental Specifications to The Standard Specifications
for Road and Bridge Construction, 2000 Edition**
(Effective with the October 25, 2002 Letting)

Unless stated otherwise, all revisions are to the Standard Specifications for Road and Bridge Construction.

PUBLICATION:	2001 Supplemental Specifications to The Standard Specifications for Road and Bridge Construction.
SUBSECTION:	104.02.02 Overrun and Underrun Formulas.
REVISION:	Void the revision.
SUBSECTION:	104.02.02 Overrun and Underrun Formulas.
REVISION:	Replace the fifth paragraph with the following: For the excessive underrun and overrun quantities, the Department will adjust the payment according to the appropriate following formula:
SUBSECTION:	104.02.02 Overrun and Underrun Formulas.
NUMBER:	3)
REVISION:	Replace the threshold value of 20 percent with 30 percent.
SUBSECTION:	102.07.01 General.
REVISION:	Replace the first sentence with the following: Submit the Bid Proposal on the forms furnished by the Department including the Highway Bid Program bid item sheets and disk created from the Department's internet web site.
SUBSECTION:	102.07.02 Computer Bidding.
REVISION:	Replace the subsection with the following: Subsequent to ordering a Bid Proposal for a specific project, use the Department's Highway Bid Program on the internet web site of the Department of Highways, Division of Contract Procurement. Download the bid item quantities from the Department's web site to prepare a Bid Proposal for submission to the Department. Insert the completed bid item sheets printed from the Highway Bid Program into the Proposal and submit along with the disk created by said program. In case of a dispute, the Bid Proposal and bid item sheets created by the Highway Bid Program take precedence over any bid submittal. Furthermore the Department takes no responsibility for loss, damage of disks or the compatibility with the bidder's computer equipment or software.
SUBSECTION:	102.08 IRREGULAR BID PROPOSALS.
REVISION:	Add the following to the first set of items: 4) Fails to submit a disk created from the Highway Bid Program
SUBSECTION:	102.08 IRREGULAR BID PROPOSALS.
REVISION:	Replace 1) of the second set of items with the following: 1) when the Bid Proposal is on a form other than that furnished by the Department or printed from other than the Highway Bid Program , or when the form is altered or any part is detached.
SUBSECTION:	112.03.01 General Traffic Control.
PART:	I) Temporary Traffic Signals.
REVISION:	Replace the MUTCD reference "Section 4B" with "Chapter 4D"
SUBSECTION:	212.03.03 Permanent Seeding and Protection.
PART:	A) Seed Mixtures for Permanent Seeding.
REVISION:	Replace with the following: A) Seed Mixture for Permanent Seeding. Use seed Mixture No. I or as the Contract specifies. Mixture No. I: 75% Kentucky 31 Fescue (<i>Festuca arundinacea</i>) 10% Red Top (<i>Agrostis alba</i>) 5% White Dutch Clover (<i>Trifolium repens</i>) 10% Rygrass, perennial (<i>Lolium perenne</i>)

**Supplemental Specifications to The Standard Specifications
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SUBSECTION:	212.03.03 Permanent Seeding and Protection.
PART:	C) Crown Vetch.
REVISION:	Replace the first sentence with the following: Sow crown vetch seed on all areas having a slope 3:1 or steeper and consisting of soil or mixtures of broken rock and soil.
SUBSECTION:	212.03.03 Permanent Seeding and Protection.
PART:	E) Erosion Control Blanket.
REVISION:	Replace the first sentence with the following: Install erosion control blankets in ditches, except those to be paved or rock lined, to a flow depth of 1.5 feet.
SUBSECTION:	402.03.02 Acceptance.
PART:	C) Setup.
REVISION:	Add the following after the second sentence: For mixtures with a total-project quantity between 500 and 1,000 tons, perform a minimum of one process control test for AC, AV, and VMA, and report the results to the Engineer.
SUBSECTION:	402.03.03 Verification.
REVISION:	Replace the first two sentences with the following: For volumetric properties, the Department will perform a minimum of one verification test for AC, AV, and VMA for each lot according to the corresponding procedures as given in Subsection 402.03.02. For specialty mixtures, the Department will perform one AC and one gradation determination per lot according to the corresponding procedures as given in Subsection 402.03.02. However, Department personnel will not perform AC determinations according to KM 64-405.
SUBSECTION:	403.02.06 Transport Equipment.
REVISION:	Add the following after the first sentence: Do not load trucks that are contaminated with an unapproved release agent. When such contamination is identified after loading, reject the load. In either case, remove the truck and respective driver from the project for the duration of the project.
SUBSECTION:	403.03.03 Preparation of Mixture.
PART:	A) Mixture Composition.
REVISION:	Replace the second sentence with the following: Conform to the gradation requirements (control points) of AASHTO MP2 for the Superpave mixture type the Contract specifies.
SUBSECTION:	403.03.03 Preparation of Mixture.
PART:	C) Mix Design Criteria.
REVISION:	Replace the first sentence with the following: Conform to the gradation requirements (control points) of AASHTO MP2 for the Superpave mixture.
SUBSECTION:	403.03.03 Preparation of Mixture.
PART:	C) Mix Design Criteria.
NUMBER:	2) Selection of Optimum AC.
REVISION:	Add the following: Ensure the optimum AC is a minimum of 5.0 percent by weight of the total mixture for all 0.5-inch nominal surface mixtures and 5.3 percent by weight of the total mixture for all 0.38-inch nominal surface mixtures.
SECTION:	403.03.06 Thickness Tolerance.
TABLE:	Nominal Maximum Size of Mixture vs. Thickness Range
REVISION:	Delete

**Supplemental Specifications to The Standard Specifications
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SUBSECTION:	403.03.09 Leveling and Wedging, and Scratch Course.																			
PART:	A) Leveling and Wedging.																			
REVISION:	Replace the first sentence with the following: Conform to the gradation requirements (control points) for base, binder, or surface as applicable.																			
SUBSECTION:	403.03.09 Leveling and Wedging, and Scratch Course.																			
PART:	B) Scratch Course.																			
REVISION:	Replace the second sentence with the following: Conform to the gradation requirements (control points) for base, binder, or surface as the Engineer directs.																			
SECTION:	404 OPEN-GRADED FRICTION COURSE																			
TABLE:	LOT PAY ADJUSTMENT SCHEDULE FOR SPECIALTY MIXTURES																			
REVISION:	Replace the table with the table on the last page of this supplement.																			
SUBSECTION:	409.02 MATERIALS AND EQUIPMENT.																			
REVISION:	Replace "KM 64-427" with the following: the guidelines in Subsection 409.03.02																			
SUBSECTION:	409.03.01 Restrictions.																			
REVISION:	Add the following sentence: When the mixture's bid item specifies PG 76-22, limit RAP content to 20 percent or less.																			
PUBLICATION:	2001 Supplemental Specifications to The Standard Specifications for Road and Bridge Construction.																			
SUBSECTION:	409.03.02 Preparation of Mixture.																			
PART:	A) Mix Requirements.																			
REVISION:	Void the Revision and replace with the following: Conform to the Contract requirements for each mixture produced using RAP. If mixtures produced using RAP do not conform to the requirements for that mixture, complete the project using all virgin materials at no-additional expense to the Department. Conform to the following table to select the appropriate grade of virgin asphalt binder to blend with the RAP:																			
<table><tr><th rowspan="2">Mixture's Bid Item</th><th colspan="3">Appropriate Virgin Asphalt Binder</th></tr><tr><th>0-20% RAP</th><th>21-30% RAP</th><th>>30% RAP</th></tr><tr><td>PG 76-22</td><td>PG 76-22</td><td>-</td><td>-</td></tr><tr><td>PG 70-22</td><td>PG 70-22</td><td>PG 64-22</td><td>*</td></tr><tr><td>PG 64-22</td><td>PG 64-22</td><td>PG 64-22</td><td>*</td></tr></table> <p style="text-align: center;">* Select according to KM 64-427</p>		Mixture's Bid Item	Appropriate Virgin Asphalt Binder			0-20% RAP	21-30% RAP	>30% RAP	PG 76-22	PG 76-22	-	-	PG 70-22	PG 70-22	PG 64-22	*	PG 64-22	PG 64-22	PG 64-22	*
Mixture's Bid Item	Appropriate Virgin Asphalt Binder																			
	0-20% RAP	21-30% RAP	>30% RAP																	
PG 76-22	PG 76-22	-	-																	
PG 70-22	PG 70-22	PG 64-22	*																	
PG 64-22	PG 64-22	PG 64-22	*																	
SUBSECTION:	611.03.02 Precast Unit Construction.																			
REVISION:	Replace the first sentence with the following: Construct units according to ASTM C 1433 with the following exceptions and additions:																			
PUBLICATION:	2001 Supplemental Specifications to The Standard Specifications for Road and Bridge Construction.																			
SUBSECTION:	701.03.05 Joints.																			
PART:	B) Corrugated Metal Pipe.																			
REVISION:	Void the Revision and replace with the following: Construct joints using a band with annular corrugations and a bolt, bar and strap connection. Use a minimum nominal band width of 12 inches for all pipe diameters 54 inches and smaller. Use a two-piece band with a minimum nominal width of 20 inches for all pipe diameters greater than 54 inches. Manufacture the band from the same base materials as the pipe. The pipe bands may be up to two gauges lighter than the pipe it is joining, with a minimum gauge thickness of 16. The Department may allow dimple band connections for field cut pipe. Install the connecting bands according to the manufacturer's written recommendations.																			

**Supplemental Specifications to The Standard Specifications
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SUBSECTION:	710.02 MATERIALS.
REVISION:	Add the following Subsection: 710.02.15 High Density Polyethylene (HDPE) Adjusting Rings. Conform to Section 846.
SUBSECTION:	710.03.01 Newly Constructed Small Drainage Structures.
PART:	A) General.
REVISION:	Replace the last sentence of the sixth paragraph with the following: Use precast concrete, precast concrete pipe sections, cast-in-place, brick, or HDPE adjusting rings for adjustment of existing manholes according to the Standard Specifications.
SUBSECTION:	710.03.03 Adjusted Small Drainage Structures.
REVISION:	Add the following sentence to the end of the first paragraph: For HDPE adjusting rings, install and seal according to the manufacturer's recommendations.
SUBSECTION:	713.03 CONSTRUCTION.
REVISION:	Replace the MUTCD references to "Part III" with "Part 3"
SUBSECTION:	714.03 CONSTRUCTION.
REVISION:	Replace the MUTCD references to "Part III" with "Part 3" and figure references to "3-11 and 3-12" with "3B-8 and 3B-9"
SUBSECTION:	714.03.01 Layout.
REVISION:	Replace the MUTCD reference to "Part III" with "Part 3"
PUBLICATION:	2001 Supplemental Specifications to The Standard Specifications for Road and Bridge Construction.
SUBSECTION:	714.05 PAYMENT.
REVISION:	Replace with the following: The Department will make payment upon completion of the work. If after the proving period the markings do not meet minimum retroreflectivity requirements, the Department will adjust the payment or require corrective work according to the following:
SUBSECTION:	718.01 DESCRIPTION.
REVISION:	Replace the second sentence with the following: See Section 3C.01 of the MUTCD for a general description.
SUBSECTION:	807.02.03 Joint Sealer for Ridged Pipe.
PART:	B) Rubber Gaskets.
REVISION:	Replace with the following: B) Butyl Rubber Sealants. Furnish butyl rubber sealants conforming to the materials, manufacture, and physical requirements for sealants in AASHTO M 198, Section 6.2. Use only products from the Department's List of Approved Materials.
SUBSECTION:	807.02.03 Joint Sealer for Ridged Pipe.
PART:	C) Flexible Plastic Gaskets.
REVISION:	Replace with the following: C) Rubber Gaskets. Furnish rubber gaskets conforming to the materials, manufacture, and physical requirements for gaskets in AASHTO M 315. Use only products from the Department's List of Approved Materials.

**Supplemental Specifications to The Standard Specifications
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SECTION: 846 HIGH DENSITY POLYETHYLENE (HDPE) ADJUSTING RINGS
REVISION: Add the following New Section:

SECTION 846 HIGH DENSITY POLYETHYLENE (HDPE) ADJUSTING RINGS

846.01 RESIN. Use a recycled polyethylene plastic or virgin resin producing a molded part meeting the following requirements:

Melt Flow Index (ASTM D 1238)	4.0-10.0 g/10min
Density (ASTM D 792)	0.941-0.965 g/cm ³
Tensile (ASTM D 638)	2000-5000 lb/in ²
ESCR (ASTM D 1693)	Condition C

846.02 LOADING. Ensure the adjustment rings meet or exceed the loading requirements of AASHTO'S Standard Specification for HS-25 wheel loading for Highway Bridges.

SECTION: 827.04 PERMANENT SEED.
REVISION: Replace with the following:

827.04 PERMANENT SEED. Conform to the requirements outlined in the "Kentucky Seed Law and Provisions for Seed Certification in Kentucky" and the "Regulations under the Kentucky Seed Law", with following exceptions:

1. Obtain seed only through registered dealers that are permitted for labeling of seed.
2. Ensure all deliveries/shipments of premixed seed are accompanied with a master blend sheet.
3. The Department may sample the seed at the job site at any time.
4. Ensure all bags and containers have an acceptable seed tag attached.

Do not use seed (grasses, native grasses and legumes) if the weed seed is over 2%, total germination (including hard seed) is less than 60%, if the seed test date is over 9 months old exclusive of the month tested, or if the limits of noxious weed seed is exceeded.

Ensure that noxious weed seeds contained in any seed or seed mixture does not exceed the maximum permitted rate of occurrence per pound.

<u>Name of Kind</u>	<u>(per pound)*</u>	<u>Max. No. Seeds</u>
Balloon Vine (Cardiospermum Halicacabum)	0	
Purple Moonflower (Ipomoea turbinata)	0	
Canada Thistle (Cirsium Arvense)	0	
Johnsongrass (Sorghum Halepense and Sorghum Alnum and perennial rhizomatous derivatives of these species)	0	
Quackgrass (Elytrigia Repens)	0	
Annual Bluegrass (Poa Annua)	256	
Buckhorn Plantain (Plantago lanceolata)	304	
Corncockle (Agrostemma Githago)	192	
Dodder (Cuscuta spp.)	192	
Giant Foxtail (Setaria Faberii)	192	
Oxeye Daisy (Chrysanthemum Ieucanthemum)	256	
Sorrel (Rumex Acetosella)	256	
Wild Onion and Wild Garlic (Allium spp.)	96	

* Seed or seed mixtures that contain in excess of 480 total noxious seeds per pound is prohibited

Wildflower seed shall not be planted until approved by the MCL.

**Supplemental Specifications to The Standard Specifications
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LOT PAY ADJUSTMENT SCHEDULE FOR SPECIALTY MIXTURES (TEST DEVIATION FROM JMF)		
	Pay Value	Deviation From JMF (%)
Asphalt Binder Content	1.00	0.0-0.5
	0.98	0.6
	0.95	---
	0.90	0.7
	0.85	0.8
	0.75	≥ 0.9
1 1/2 inch Sieve	1.00	0-13
	0.98	14
	0.95	15-16
	0.90	17-20
	0.85	21-23
	0.75	≥ 24
1 inch, 3/4 inch, and 1/2 inch Sieves	1.00	0-9
	0.98	10
	0.95	11-12
	0.90	13-14
	0.85	15-16
	0.75	≥ 17
3/8 inch, No. 4, No. 8, No. 16, and No. 30 Sieves	1.00	0-8
	0.98	9
	0.95	10
	0.90	11-12
	0.85	13-14
	0.75	≥ 15
No. 50 Sieve	1.00	0-6
	0.98	7
	0.95	8
	0.90	9
	0.85	10
	0.75	≥ 11
No. 100 Sieve	1.00	0-3
	0.98	---
	0.95	4
	0.90	5
	0.85	---
	0.75	≥ 6
No. 200 Sieve	1.00	0.0-2.0
	0.98	2.5
	0.95	3.0
	0.90	---
	0.85	3.5
	0.75	≥ 4.0
Fineness Modulus	1.00	0.0-0.30
	0.98	0.31-0.34
	0.95	0.35-0.39
	0.90	0.40-0.46
	0.85	0.47-0.55
	0.75	≥ 0.56

Special Notes

for

**FE GR02 0000025
Bridge Cleaning & Painting**

BRIDGE CLEANING AND PAINTING
DISTRICT NO. 4

Nelson County FE02 090-0031E B00051 000.01

US 31E Bridge over Rolling Fork River
Bardstown – Hodgenville Road

Geographic Coordinates

Latitude - 37° 39.0'
Longitude - 85° 35.7'

Description:

4 - 85 ft. continuous steel girder spans
Estimated structural steel surface area – not for bidding- 22,686 ft²

Breckinridge FE02 014-0079 B00002 006.18

Ky 79 Bridge over North Fork Rough River
Hardinsburg – Leitchfield Road

Geographic Coordinates

Latitude - 37° 38.0'
Longitude - 86° 26.3'

Description:

120 ft, 170 ft, and 120 ft continuous steel girder spans
Estimated structural steel surface area – not for bidding- 68,540 ft²

Grayson County FE02 043-0259 B00001 021.33

Ky 259 Bridge over Rough River
Hardinsburg – Leitchfield Road

Geographic Coordinates

Latitude - 37° 35.5'
Longitude - 86° 19.8'

Description:

120 ft, 170 ft, and 120 ft continuous steel girder spans
Estimated structural steel surface area – not for bidding- 37,965 ft²

WHEN AN ESTIMATED SQUARE FEET OF STRUCTURAL STEEL SURFACE AREA IS SHOWN ON THE PLANS OR IN THE PROPOSAL AS AN ITEM OF INCIDENTAL INFORMATION, IT IS UNDERSTOOD THAT THIS IS APPROXIMATE ONLY AND THE DEPARTMENT DOES NOT GUARANTEE ACCURACY AND THE ESTIMATE SHOULD NOT BE USED FOR BIDDING.

SPECIAL NOTES FOR CLEANING AND PAINTING

District 4 Group

Nelson County, FE02 090-031E B00051 000.01

Breckinridge County, FE02 014-0079 B00002 006.18

Grayson County, FE02 043-0259 B00001 021.33

SPECIAL NOTE SURFACE PREPARATION AND PAINT APPLICATION

SPECIAL NOTE FOR STEEL BENTS

SPECIAL NOTE FOR PAINT

SPECIAL NOTE FOR QUALITY CONTROL

SPECIAL NOTE FOR ENVIRONMENTAL AND WORKER SAFETY
REGULATIONS

SPECIAL NOTE FOR PRE-BID REVIEW

SPECIAL NOTE FOR PAYMENT

GENERAL TRAFFIC NOTE FOR CONTROLLING AND MAINTAINING TRAFFIC

SPECIAL NOTE FOR SURFACE PREPARATION AND PAINT APPLICATION

Clean and paint all structural steel in accordance with the Kentucky Transportation Cabinet, Department of Highways, Standard Specifications for Road and Bridge Construction, Section 614 Maintenance Cleaning and Painting Steel Bridges and the following requirements:

The Contractor will submit a detailed Progress of Work Schedule to the Project Engineer at the Pre-construction Conference.

A. CONTAINMENT

Totally enclose all structural steel during all phases of the work. Use containment that meets the criteria for SSPC Guide 6 – Containment Classification Class 2A.

Air Movement- A minimum air movement in containment is not specified but the contractor will demonstrate that the air movement in the containment will provide the necessary engineering control to comply with OSHA worker safety requirements (i.e., lead standards as required by 29 CFR 1926).

Quantity of emissions from containment will be assessed using Method A – Visible Emissions of SSPC Guide 6 - Level 2 Emissions. Emissions will be monitored for at least 15 minutes and reported in the logbook (**SEE SPECIAL NOTE FOR QUALITY CONTROL**) at least once for every four (4) hours of cleaning and painting. Observance of emissions at any time may require (at the discretion of the Engineer) that cleaning and painting cease until the containment is sufficient to prevent emissions.

Provide proper (OSHA COMPLIANT) lighting on all operations (i.e. surface preparation, painting and inspection). Lighting will meet the criteria described in SSPC Guide 12 (Guide for Illumination of Industrial Painting Projects).

The contractor will provide OSHA compliant safe access for all cleaning, painting, and inspections.

Collect wastes deposited on the containment materials daily. In addition, clean containment materials prior to moving/dismantling. The Engineer may direct additional cleaning as conditions warrant.

B. SURFACE PREPARATION

Solvent Cleaning

Prior to using any of the methods of substrate preparation specified herein, remove visible grease and oil from the surface. Clean the surface in accordance with SSPC-SP 1 to remove oil, grease, and any other surface contaminants. Use only solvents or detergents that are acceptable to the coating manufacturer and the Department. Use clean cloths for the final wiping of the cleaned surface. Collect, handle, store, and dispose of all cleaning materials as hazardous waste.

Stratified Rust Removal

Remove all stratified rust from all structural steel prior to abrasive blast cleaning. Collect all stratified rust debris and dispose of it with the other debris generated by abrasive blasting (See below - **Section C. Collection, Handling, Storage, Transport and Disposal of Hazardous Wastes**).

Compressed Air

When compressed air is used for any work, use only compressed air that is free from oil and/or water. Verify the cleanliness of the compressed air in accordance with ASTM D 4285 (blotter test). Verify the cleanliness of the compressed air at least once per shift per compressor or as directed by the Engineer.

Surface Preparation Standard

Abrasive blast clean all structural steel to VIS 1-89, SSPC-SP 6 / NACE 3 (Commercial Blast) condition. Although SSPC-Vis 1-89 refers to unpainted steel, Note 7.1 of the standard permits its use to determine the acceptability of the prepared surface. Use SSPC-Vis 1-89 to determine acceptability of the prepared surface.

Abrasive Media

Use clean, dry, uniformly graded abrasives for blast cleaning that are free of oil, soluble salts and other similar substances which could contaminate the blasted surface. Vacuum the prepared surface to remove all dust and contaminants prior to applying paint.

Provide abrasive that is sized to produce an anchor pattern profile height of 1.5 to 4.0 mils. Measure the surface profile on metal substrates in accordance with ASTM D 4417 Method C.

C. COLLECTION, HANDLING, STORAGE, TRANSPORT AND DISPOSAL OF HAZARDOUS AND INDUSTRIAL WASTES (SEE SPECIAL NOTES FOR ENVIRONMENTAL AND WORKER SAFETY REGULATIONS)

Have a "Competent Person for lead abatement" as defined by OSHA 1926.62 on site during any operations which disturb lead. The "competent person" will have successfully completed the SSPC C3 "Supervisor /Competent Person Training for Deleading of Industrial Structures" or equivalent training.

The Department will provide a site on its property for the Contractor to erect a temporary waste storage facility. Store hazardous waste at that site, in a secured six-foot high chain-link fence enclosure. The enclosure shall be built in accordance with Standard Drawing No. RFC-001-07 of the Kentucky Department of Highways Standard Drawings Book. The fence of the storage area must be firmly attached to metal posts and have a locked gate. The gate must be secured to the fence post by a chain and a lock. Each side of the enclosure is to have appropriate placarding forbidding unauthorized entrance and announcing that the area is a hazardous waste/lead storage site. Cover the ground where the drums will be stored with a waterproof tarpaulin. The contractor shall maintain the tarpaulin to avoid tears or punctures. The drums will be set on skids that are placed on the tarpaulin. There must be adequate aisle space between the rows of stored drums so that the drums and labels can be inspected at any time.

The storage area is to be maintained/operated to prevent releases. The drum storage enclosure must have a spill clean-up kit. The package must include, but not be limited to shovel, broom, dustpan and absorbent material for solvents. There must be access to communications or alarms whenever authorized personnel are in the storage compound.

The designated area must be secured prior to the onset of operations at the job site.

Maintain the hazardous waste storage facility and return the site to its original state when the work is completed.

Copies of all manifests with the Land Restriction Notice attached will be provided to Project Engineer.

All waste/scrap materials generated during surface preparation are to be considered hazardous. Hazardous materials are to be stored separate from paint debris. All solvents used in cleaning are also to be considered hazardous waste. Store solvent wastes in separate containers (i.e. not with the paint debris). Dispose of industrial wastes such as paint buckets, paint-contaminated rags, rollers, clogged spray hoses and brushes. Store those wastes in appropriate containers, separated from the hazardous wastes, and appropriately labeled, prior to disposal.

All wastes are to be collected and placed in appropriate containers on a daily basis. (See **SPECIAL NOTE FOR ENVIRONMENTAL AND WORKER SAFETY REGULATIONS**).

The Contractor is solely responsible for the management and the disposal of all hazardous waste generated during the cleaning and painting operations in accordance with the Kentucky Revised Statutes, Chapter 224, Subchapter 46, and the Kentucky Administrative Regulations promulgated pursuant thereto.

The Kentucky Transportation Cabinet will file a Notification of Hazardous Waste Activity with the Kentucky Division of Waste Management to obtain an EPA Identification Number in accordance with 401 KAR 32:010, Section 3. The Cabinet will provide the Contractor with this EPA ID number to be used in hazardous waste management in compliance with 401 KAR 32:010, Section 3 (1).

The Contractor is responsible for furnishing appropriate U.S. DOT containers that are made or lined with materials which are compatible with the hazardous waste to be stored in accordance with 401 KAR 35:180, Section 3. All hazardous wastes collected at the job site will be placed in those containers for transport to the storage site. The containers will be used and managed at the job site and at the storage site in accordance with 401 KAR 35:180. Prior to the transfer of the containers of hazardous waste from the job site to the storage area, the containers will be correctly sealed, labeled, marked and placarded as defined in the pre-transport requirements of 401 KAR 32:030.

Each container will be labeled "Hazardous Waste" and the date clearly marked when the hazardous waste is *first* added to the container in compliance with

401KAR35:180, Section 4(3). That date marked is the *start date* of the seventy-five (75) day storage period

The generator for the waste under this contract is the Kentucky Transportation Cabinet. All records including the labels on the waste containers and the manifests are to be completed using the Transportation Cabinet as the generator.

The Department requires that all hazardous waste be removed within seventy-five (75) days of the accumulation start date. The Contractor will select a registered hazardous waste transporter to transport the containers of hazardous waste generated during the painting operations to a permitted hazardous waste treatment, storage or disposal facility. The hazardous waste will be manifested with a Uniform Hazardous Waste Manifest that is to be completed, in entirety, as per the regulations of 401 KAR 32:020 and 401 KAR 32:100. Copies of all manifests will be provided to the project Engineer and the Central Office, Division of Construction. *Final pay for the project will not be released until the Department receives all copies of the manifests.*

Failure to remove the hazardous waste within Seventy-Five (75) days will result in a performance penalty of Two Thousand Dollars (\$2,000.00) per day per drum that the containers are left in storage. This penalty is in addition to any fines that may be assessed by regulatory agencies other than the Transportation Cabinet.

Store non-hazardous wastes in appropriate containers, separated from the hazardous wastes, and appropriately labeled, prior to disposal.

D. PAINT APPLICATION

Do not paint areas until they have been inspected and approved by the Engineer (or at the direction of the Engineer, the Department's inspector). Apply paint only to dry surfaces. Ensure that the appropriate resulting surface condition, as shown in VIS-1-89 for SSPC-SP6, is present at the time of primer application (i.e. re-treat if rust-back occurs). Do not apply paint during rainfall. Apply a three-coat system consisting of:

1. **Prime Coat** –Paint all structural steel with one (1) full coat (3.0 to 5.0 mils dry film thickness) of organic zinc rich primer. The zinc rich primer selected shall be contained on the current List of Approved Materials, maintained by the Division of Materials. During spray application of the primer, **totally** contain all overspray.
2. **Intermediate Coat**—Paint all structural steel with one (1) full intermediate coat (2.0 to 4.0 mils dry film thickness) of tinted moisture cure aluminum polyurethane applied by brushing, rolling or spraying. The tinted moisture cure aluminum polyurethane selected shall be contained on the current List of Approved Materials, maintained by the Division of Materials. If spraying is used, **totally** contain all overspray
3. **Finish Coat** - Paint all structural steel with one (1) full finish coat (2.0 to 4.0 mils dry film thickness) of acrylic polyurethane finish coat applied by brushing, rolling or spraying. The acrylic polyurethane selected shall be

contained on the current List of Approved Materials, maintained by the Division of Materials. If spraying is used, **totally** contain all overspray.

The finish coat shall be gray closely approaching Federal Standard No. 595B-16187.

Spray painting - Take all steps necessary to preclude damage to public property from paint overspray. Those steps may include changes in the type of containment or cessation of spraying operations. The contractor is solely responsible for any damages arising from the painting operations.

Repair of paint defects - Paint defects, such as pinholes, cracks, blisters, and runs etc. may be encountered. Repair all defects in new paint.

E. PAINT STORAGE, HANDLING, SAMPLING, MIXING AND THINNING
Establish a paint storage site for receiving and storing paint delivered for use on the project. Locate the paint storage site separate from the job site. Receive all new paint at the storage site for inventory and acceptance testing. At that time, have the Contractor's QC inspector (**SEE SPECIAL NOTES FOR QUALITY CONTROL**) and the Department's inspectors independently inventory the supplied paint by batch number and quantities delivered. Their tallies should be compared and any differences resolved. The Department's inspector examines all paint containers delivered and rejects those with 1) broken seals, 2) rust, 3) altered, missing or illegible batch numbers or labels and 4) dents. The Department's inspector numbers and initials each container with an indelible marker. A representative of the Department samples each lot of material (**SEE SPECIAL NOTES FOR PAINT**). Label rejected paint containers "REJECTED" and dispose of them promptly. Store unapproved or rejected containers of paint separately from those that are approved. Allow no paint at the actual job site until the Division of Materials has approved it.

Have both the Contractor's QC inspector and the Department's inspector conduct a daily start-up inventory of containers of approved paint brought to the job site noting batch numbers and the Department inspector's container number. At the end of the work day, have the QC inspector and the Department's inspector conduct another inventory noting the number of paint containers expended, Department inspector's inventory numbers, and types of paint. Inventory paint containers brought on the job site and not used. Re-inventory those when they are taken back to the job site to be used.

The addition of solvents to paint is permitted **only** by written approval from the Division of Materials. Use only new solvents supplied by the paint manufacturer. Solvent addition must yield paint with a volatile organic compound (VOC) content equal to or less than 2.8 lb./gal. Add solvents at the job site in the presence of the Department inspector. Use only solvents from new, unopened containers with the solvent manufacturer's labeling intact. The QC inspector will record locations where solvent-thinned paint was used.

Keep solvents used for cleaning at the job site in sealed containers away from mixing operations. Collect solvents used to clean brushes, rollers, or spray equipment in sealed containers and store them as a hazardous waste.

The paint manufacturer is required to provide a technical representative at the job site when requested by the contractor or the Department at no additional cost to the Department.

F. WORKMANSHIP

All structural steel surfaces are to be properly cleaned and painted to the satisfaction of the Engineer. There will be no provision for missed areas or substandard work regardless of size of the area in question. All improperly prepared or painted surfaces are to be repaired to meet the provisions of this specification.

Allowable field variation of the color of all cured finish coats on structural steel will be $1.5 \Delta E_{cmc}$. These values shall be obtained from a spectrophotometer utilizing a D65 illuminant at 45° illumination and 0° viewing with a 2° observer. The reference for this test will be readings obtained on the initial test patch (**SEE SPECIAL NOTES FOR QUALITY CONTROL**). Surfaces with finish coats with color variations exceeding the $1.5 \Delta E_{cmc}$ value will be repainted at the option of the Engineer.

SPECIAL NOTE FOR STEEL BENTS
FE02 014-0079 B00002 006.18

Clean and paint all steel pile bent piers from a point two (2) feet below the ground line and up. Remove stone rip-rap from around the steel piles and bracing. Then remove the soil for a minimum depth of two (2) feet. After cleaning and painting has been completed in accordance with Sections A, B, and C of the **SPECIAL NOTE FOR CLEANING AND PAINTING** and the paint has cured a minimum of 24 hours, replace the soil and rip-rap to the original condition.

Cleaning and painting of the base of the steel bents must be accomplished while the lake pool level is low enough to expose the steel. For that reason, the completion date for **Breckinridge County, FE02 014-0079 B00002 006.18 is extended to December 15, 2003. Comply with ambient conditions, Standard Specifications, and Special Note requirements for application of paint.**

SPECIAL NOTE FOR PAINT

Use a coatings system from an approved supplier. A list of approved suppliers may be found in the Department's List of Approved Materials maintained by the Division of Materials. All paint supplied must conform to the applicable Special Notes contained in this proposal. The Department requires acceptance testing of samples obtained on a per-lot basis. The Division of Materials will perform acceptance testing. At his option, the Engineer may elect to conduct more frequent sampling and testing. Test samples may be taken at the Contractor's paint storage site. Department personnel will perform sampling. Allow (10) working days for testing and approval of the sampled paint.

Note: It is the Contractor's responsibility to maintain an adequate inventory of approved paint. The Department assumes no responsibility for lost work due to rejection of paint or approved paint subsequently found to be defective during the application process.

SPECIAL NOTE FOR QUALITY CONTROL

The contractor performs Quality Control inspections on all areas. Employ at least one full-time staff member whose sole duty is to perform quality control inspections (i.e. the QC inspector). The QC inspector(s) must have successfully completed **Commonwealth of Kentucky, Transportation Cabinet, Department of Highways Certified Bridge Coating Inspector Training** and be experienced with paint-related quality control. The QC inspector(s) must be capable of accessing, inspecting, and performing the specified quality control tests. The QC inspector(s) will identify locations requiring re-work and repairs and maintain a level of quality of specified work that is acceptable to the Engineer. All QC inspectors used on the project **must** attend the **Pre-construction** and the **application of the test patch(es) on the bridge (SEE BELOW)**.

Equip the QC inspector with: 1) a Positector 6000, 2) log book(s) (bound with printed page numbers), 3) a psychrometer, 6) surface temperature thermometers, 7) U.S. Weather Bureau psychrometric tables, 8) wet film thickness gauges, 9) an inspection mirror, 10) flashlight, 11) light meter that reads in foot candles and 12) SSPC VIS 1 "Visual Standard for Abrasive Blast Cleaned Steel" (**SEE SECTION A. SURFACE PREPARATION**). Promptly replace inspection equipment if lost or damaged. In case of discrepancy between the QC and QA Inspector's appropriately calibrated instruments the QA Inspector's instrument readings will be accepted as correct.

The Department's (QA) inspector is charged with in-progress reviews of the Contractor's operations and the performance of follow-up quality assurance (QA) inspections once the QC inspector has certified that a portion of work is complete.

Progress of Work - Work shall proceed by sections, bays or other readily identifiable parts of the structure. All work will proceed from top to bottom of the structure. The work will be broken down into adjacent sections (control areas) separated by bulkheads. Only one phase of work will be permitted in a given control area at any time. When the work within a control area reaches a specific **Quality Control Point**, no further work may be conducted until the previous work has been inspected and approved by the Department's (QA) inspector.

In any control area, Quality Control Point inspections must precede the start of succeeding phases of work. Quality Control Points are progress milestones that occur when one phase of work is complete and ready for inspection prior to continuing with the next operational step. At those points, the Contractor will provide Department's Inspectors with OSHA compliant access to inspect all pertinent surfaces. If QA inspection indicates a deficiency, that phase of the work shall be corrected prior to beginning the next phase of work. Quality Control Points are as follows:

Quality Control Point**1. Surface Preparation**

- A. Solvent Cleaning
- B. Stratified Rust Removal
- C. Abrasive Blast Cleaning

QA/QC Inspection Function

Visually inspect and conduct UV light testing if necessary.

Visually inspect to ensure removal

Visually inspect for compliance with specified visual standard.

2. Full Prime Coat Application

Check for dry film thickness, and defects in paint

3. Full Intermediate Application

Check for dry film thickness, and defects in paint

4. Finish Coat Application

Check for dry film thickness, paint appearance, color and quality of application

The QC inspector will inspect prepared surfaces to determine whether those conform to the specification (see **SPECIAL NOTE FOR SURFACE PREPARATION AND PAINT APPLICATION - Section A**). Use Steel Structures Painting Council SSPC VIS-1-89, "Visual Standard for Abrasive Blast Cleaned Steel" as an aid to determine the appropriate cleanliness.

Inspect each individual coat of paint using a Positector 6000 according to SSPC PA 2. Inspect for areas of incomplete coating coverage and coating defects. The Department's inspector may request tests at additional sites or he may elect to perform additional tests.

The QC inspector will maintain a handwritten record of all-painting activities, operations and inspections in the log book(s). At a minimum, the following information must be recorded: 1) all paint inventory and approval information, 2) daily records of ambient conditions (including all measurements taken), 3) daily progress of work information including start-up/shut-down times, bridge locations by control numbers, structural steel components by proper terminology and pertinent operations by control points, and 4) QC/QA inspection information including the QC inspector's evaluations at control points and the Department inspector's rework comments or approvals. Make entries on consecutive pages of the logbook (in indelible ink) and make corrections by marking through mistakes with a single line. Do not remove pages or erase or obliterate entries in the logbook.

Adjacent control areas will be assigned consecutive numbers and a short description defining their location. After completion of a phase of work in a control area, the QC inspector will perform a 100% inspection at arm's length and will determine whether the area has been satisfactorily prepared. If work in a control area is unsatisfactory, the QC inspector will require the workers to make the necessary corrections. That process will be repeated as necessary until suitable corrections have been made. Thereafter, he will request that the Department's inspector examine the control area. If the area is

satisfactory, the Department's inspector will indicate such in the logbook by placing his initials and the date of his inspection. If it is not satisfactory, he will explain why and note the mandatory re-working in the QC inspector's logbook. After the area is re-worked to the satisfaction of the Department's inspector, he will place his initials next to the control area number. Maintain all logbooks at the job site at all times during the project. Make those available, upon request, to the Department's representatives. At the end of the project, submit all such logs to the Engineer for his review and records.

Prior to initiation of painting, prepare a **test patch or patches** to serve as standards for reference during the balance of the painting operations. Locate the test patch(es) at ground level or near a walkway. Use the specified surface preparation on a surface (or surfaces) with at least 20 ft² per application method per coating.

When Central office personnel, District office personnel, and Contractor's personnel agree that the appropriate level of cleanliness and surface preparation have been achieved, the contractor may apply primer to the test patch. Apply primer, intermediate and finish coats in the presence of Central Office personnel, District Office personnel, Contractors' personnel and a technical representative of the paint manufacturer. Apply zinc rich primer to the entire test patch surface (at least 60 ft²). Apply intermediate coat to at least two-thirds (40 ft²) of the surface prepared and coated with zinc rich primer. Apply finish coat to at least one-third (20 ft²) of the surface that has been prepared and coated with primer and intermediate coat. Do not paint the reference areas until the balance of the project is completed. If the contractor's Quality Control person is removed or replaced, the test patch(es) will be reapplied.

SPECIAL NOTE FOR ENVIRONMENTAL AND WORKER SAFETY REGULATIONS

(A) Governing regulations

The existing paint in this project contains lead, which is classified as a hazardous (toxic) material. Be knowledgeable of and comply with, all lead-related environmental and health regulations governing the Contractor's operations. Comply with regulations current at the time the work is performed and all requirements herein. Collect, transport to waste storage sites, and store hazardous wastes in accordance with applicable environmental and health regulations. The contractor is solely responsible for collection, transport, storage and disposal of all industrial wastes.

(B) Liabilities and Obligations

The contractor is solely responsible for compliance with all applicable environmental and health regulations to the satisfaction of the applicable government regulatory agencies and the Department. The Department assumes no obligations or liabilities for work stoppages due to enforcement actions by government regulatory agencies or to related delays that the Department deems necessary.

(C) State and Local Regulatory Agencies

State and local regulatory agencies charged with enforcing **most** regulations affecting the generation of hazardous wastes and worker safety issues are:

Kentucky Occupational Safety and Health Program, Labor Cabinet,
Commonwealth of Kentucky, Frankfort, Kentucky.

Natural Resources and Environmental Protection Cabinet, Commonwealth
of Kentucky, Frankfort, Kentucky.

(D) Groundwater Protection

The contractor will prepare and implement a groundwater protection plan in accordance with 401 KAR 5:037.

The contractor will submit a written Deleading Compliance Program at the Pre-construction meeting. The Program will include a Worker Protection Plan, an Environmental Compliance Plan, and a Waste Management Plan. The Program will be reviewed by the Cabinet prior to beginning any work.

SPECIAL NOTE FOR PRE-BID CONFERENCE

District 4 Group

Nelson County, FE02 090-031E B00051 000.01
Breckinridge County, FE02 014-0079 B00002 006.18
Grayson County, FE02 043-0259 B00001 021.33

The Department will conduct a Pre-Bid Conference and Field Review of the subject project on December 2, 2002 at 9:00 AM. at;
Kentucky Department of Highways
District Office (4)
634 East Dixie
P.O. Box 309
Elizabethtown, KY 42701

Any company that is interested in bidding on the subject project or being part of a joint venture must be represented at the conference by at least **one person of sufficient authority to bind the company**. No individual can represent more than one company. At the conference and, during the subsequent field review of the subject bridges, a roster will be taken of the representatives present. **Only companies represented at the conference and during the field review will be eligible to have their bids opened at the date of letting.**

During the field review, the company representatives and Department of Highways officials will travel to all the project sites. The field review is not intended for bid estimation.

The purpose of the conference and field review is to familiarize all prospective bidders with the contract requirements and the location and condition of all structures within the scope of the contract.

Department of Highways officials present at the conference and during the field review will answer questions concerning the projects.

SPECIAL NOTE FOR PAYMENT

Payment for this work will be according to Standard Specifications for Road and Bridge Construction (2000) Section 614.05 with the following modification to Section 614.05.

Three-Coat Field Applied System. Partial payments will be based on acceptance of the following:

Surface Preparation	25%
Prime Coat	20%
Intermediate Coat	20%
Finish Coat	20%
De-rigging and Touch-up	15%

All field painting to be paid as lump sum bid for "Cleaning and Painting".

GENERAL TRAFFIC NOTE FOR CONTROLLING AND MAINTAINING TRAFFIC

All lane closures on this project shall be in accordance with the attached Kentucky Department of Highways Drawings Nos. TSC-200-07, TSC-201-09, TSC-202-08, TSC-260-11, TSC-261-08, TSC-265-01, TSC-270-03, and the **FHWA MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES** (current editions). Lane closures should be used only when absolutely necessary and kept to the shortest duration possible in order to minimize disruption to the traveling public. No work will be conducted over traffic at any location.

The contractor will be required to submit in writing, to the department, his complete work schedule 14 days prior to starting work. The contractor shall be required to coordinate his efforts with those of any other contractor in the construction area so as to eliminate any lane closures which conflict with this traffic note.

In the event it becomes necessary to make emergency repairs of this project by state forces or by other outside contractors, the (painting) contractor agrees to alter his work pattern as directed by the engineer so as not to interfere with the emergency work.

The contractor will be required to furnish all traffic control devices whenever his operations endanger or interfere with vehicular traffic as determined by the engineer. The contractor shall furnish any additional traffic control devices necessary to protect traffic and his workmen. Any costs associated with the added traffic control devices (including arrow boards) shall be incidental to the contract lump sum amount for "maintain and control traffic."

Placement of all devices for lane closures shall start and proceed in the direction of flow of traffic. Removal of devices shall start at the end of the construction area and proceed toward oncoming traffic. The contractor shall provide for the installation of all necessary traffic control devices before beginning work and their immediate removal as soon as work is suspended or completed. During the fully operational periods, when no lane closures are permitted, all equipment shall be totally removed from the job site. Traffic control signs shall be removed or covered (if left in a curb lane).

The contractor's vehicles shall always move with and not across or against the flow of traffic. Vehicles shall enter or leave work areas in a manner that will not be hazardous to or interfere with normal roadway traffic. Vehicles shall not park or stop except within designated work areas.

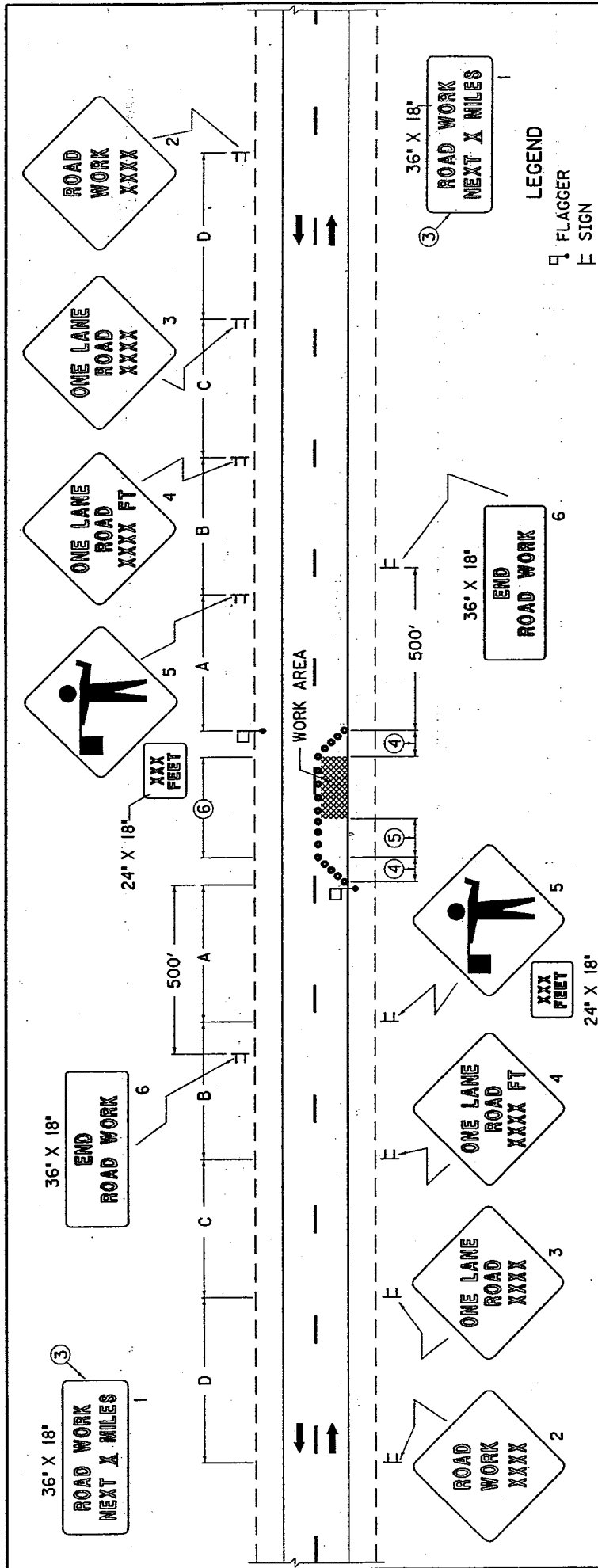
Personal vehicles will not be permitted to park within the state right-of-way. The contractor's vehicles will be prohibited from crossing the roadway and all pedestrian movement of the contractor's personnel on the roadway will be limited to within the closed work areas.

During non-working hours of each day, all trucks and equipment shall be removed from the lane closures and off the right-of-way.

If the contractor desires to deviate from the traffic control schemes outlined in these plans or proposals, he shall prepare an alternate plan and present it in writing to the engineer. The alternate plan can be used only after review and approval of the Division of Traffic, design, and construction.

Payment

Payment of the contract lump sum amount for "maintain and control traffic" shall be full compensation for all items necessary to maintain and control traffic on this project. All traffic control items shall remain the property of the contractor when the work is complete.



1. THE SIZE OF SIGNS 2 THRU 5 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED.
2. THE FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. FLAGGER STATIONS SHALL BE LOCATED FAR ENOUGH IN ADVANCE OF THE WORK AREA SO THAT APPROACHING ROAD USERS WILL HAVE SUFFICIENT DISTANCE TO STOP BEFORE ENTERING THE WORK SPACE (REFER TO TABLE 6E-1 OF THE MUTCD). ILLUMINATION SHALL BE PROVIDED TO MARK FLAGGER STATIONS AT NIGHT.
3. SIGN NO. 1 SHALL BE INSTALLED AT THE LIMITS OF THE PROJECT WHEN THE CONSTRUCTION ZONE IS LONGER THAN TWO MILES IN LENGTH. THE DISTANCE SHOWN SHALL BE STATED TO THE NEAREST WHOLE MILE.
4. TAPERS SHALL HAVE A MAXIMUM LENGTH OF 100'. SPACING OF CHANNELIZING DEVICES SHALL BE 20' THRU THE TAPER AREAS. DRUMS OR TYPE II BARRICADES SHALL BE USED TO CHANNELIZE TAPERS IF DURATION OF CLOSURE EXCEEDS 12 HOURS. OTHERWISE, CONES OR TUBULAR MARKERS MAY BE USED.
5. BUFFER SPACE (OPTIONAL).
6. DRUMS OR TYPE II BARRICADES SHALL BE USED TO CHANNELIZE THE ACTIVITY AREA IF DURATION OF CLOSURE EXCEEDS THREE DAYS. OTHERWISE, CONES OR TUBULAR MARKERS MAY BE USED. SPACING OF CHANNELIZING DEVICES THRU THE ACTIVITY AREA SHALL NOT EXCEED A DISTANCE EQUAL TO TWO TIMES THE NORMAL POSTED SPEED LIMIT.

DRAWING NOT TO SCALE
USE WITH CURRENT STD. DWGS.
TSC-260, TSC-261, TSC-265

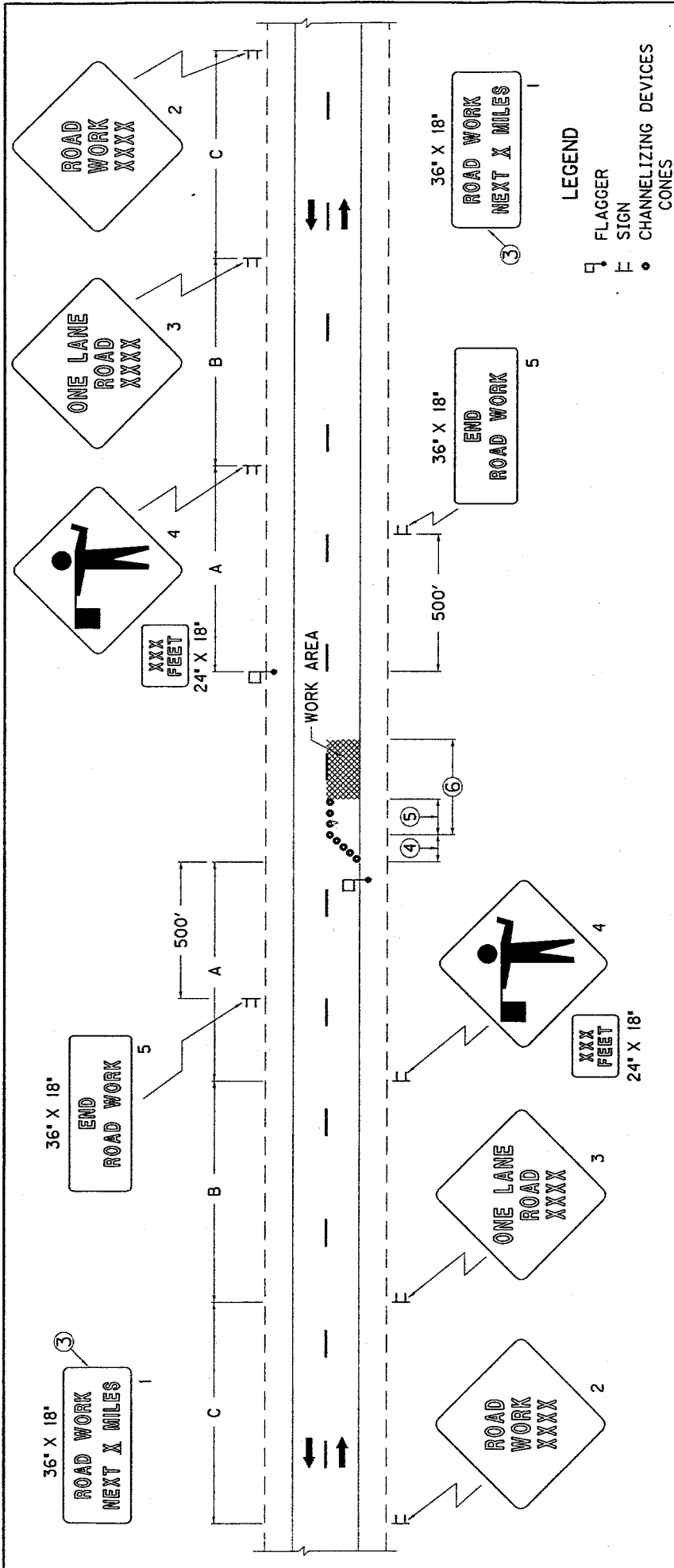
KENTUCKY
DEPARTMENT OF HIGHWAYS
LANE CLOSURE
TWO-LANE HIGHWAY
CASE I

SUBMITTED: *James K. Canty*
DIRECTOR, DIVISION OF TRAFFIC
5-14-02
DATE

SIGNING AND SPACING TABLE					
ROAD TYPE	A	B	C	D	SIGNS REQUIRED
EXPRESSWAY/ FREEWAY	1000'	500'	1100'	2600'	1 THRU 5
RURAL/URBAN SP. LT. \geq 45 MPH*	500'	500'	500'	1100'	1 THRU 5
URBAN SP. LT. \leq 40 MPH*	250'	250'	250'	250'	1, 3 THRU 5

*NOTE: USE NORMAL POSTED SPEED LIMIT

APPLICATION
THIS DRAWING APPLIES TO LANE CLOSURES ON TWO-LANE, TWO DIRECTION HIGHWAYS.



1. THE SIZE OF SIGNS 2 THRU 4 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED.
2. THE FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. FLAGGER STATIONS SHALL BE LOCATED FAR ENOUGH IN ADVANCE OF THE WORK AREA SO THAT APPROACHING ROAD USERS WILL HAVE SUFFICIENT DISTANCE TO STOP BEFORE ENTERING THE WORK SPACE (REFER TO TABLE 6E-1 OF THE MUTCD).
3. SIGN NO. 1 SHALL BE INSTALLED AT THE LIMITS OF THE PROJECT WHEN THE CONSTRUCTION ZONE IS LONGER THAN TWO MILES IN LENGTH. THE DISTANCE SHOWN SHALL BE STATED TO THE NEAREST WHOLE MILE.
4. TAPER SHALL HAVE A MAXIMUM LENGTH OF 100'. SPACING OF CHANNELIZING DEVICES SHALL BE 20' THRU THE TAPER AREA.
5. BUFFER SPACE (OPTIONAL).
6. CONES SHALL BE PLACED THRU THE ACTIVITY AREA WHERE ROADWAY WIDTH PERMITS. SPACING OF CONES SHALL NOT EXCEED A DISTANCE EQUAL TO TWO TIMES THE NORMAL POSTED SPEED LIMIT.

DRAWING NOT TO SCALE
USE WITH CURRENT STD. DWGS.
TSC-260, TSC-261, TSC-265

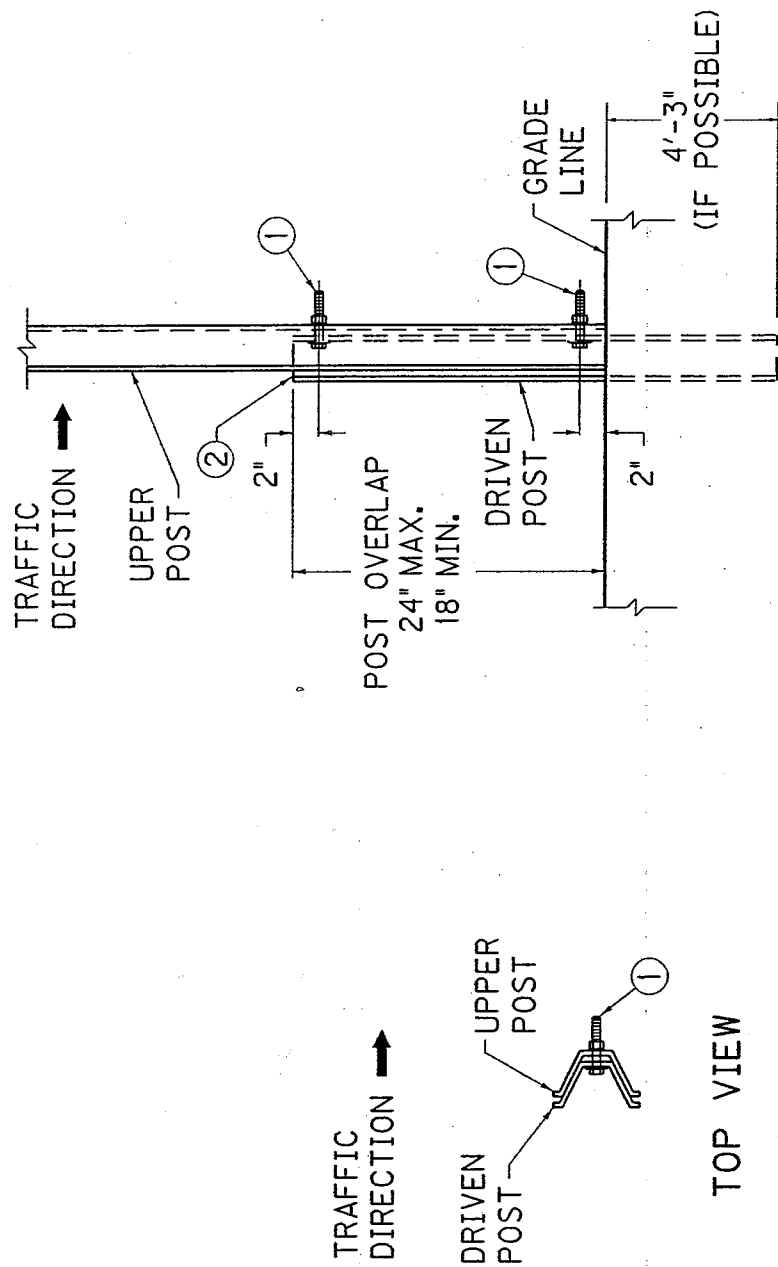
SIGNING AND SPACING TABLE			
ROAD TYPE	A	B	C
EXPRESSWAY/ FREEWAY	1000'	1600'	2600'
RURAL/URBAN SP. LT. \geq 45 MPH*	500'	500'	500'
URBAN SP. LT. \leq 40 MPH*	250'	250'	500'

*NOTE: USE NORMAL POSTED SPEED LIMIT

APPLICATION

THIS DRAWING APPLIES TO LANE CLOSURES DURING DAYLIGHT HOURS ON TWO-LANE, TWO-DIRECTION HIGHWAYS WITH ROADWAY WIDTHS FROM 16 TO 20 FEET. ROADS WITH WIDTHS LESS THAN 16 FEET SHOULD BE CLOSED TO THROUGH TRAFFIC. LOCAL TRAFFIC SHALL BE MAINTAINED.

KENTUCKY
DEPARTMENT OF HIGHWAYS
LANE CLOSURE
TWO-LANE HIGHWAY
CASE II
SUBMITTED: *James K. Cantrell*
DIRECTOR DIVISION OF TRAFFIC
5-14-02
DATE



APPLICATION

PREFERABLY, SIGN POSTS ARE NOT TO BE SPLICED. HOWEVER, TO OBTAIN THE REQUIRED HEIGHT, SIGN POSTS MAY BE SPLICED ONCE IN THEIR LENGTH AND ACCORDING TO THIS STANDARD DRAWING.

GENERAL NOTES

- ① TWO (2) 5/16" X 2' HEX HEAD CAP SCREWS, TWO (2) ROUND WASHERS, TWO (2) LOCK WASHERS AND TWO HEX HEAD NUTS (ASTM A307).
- ② THE DRIVEN POST STUB SHALL BE REMOVED WHEN THE UPPER POST IS NOT IN PLACE.

DRAWING NOT TO SCALE

KENTUCKY DEPARTMENT OF HIGHWAYS
POST SPLICING DETAIL
SUBMITTED <i>James K. O'Connell</i> 6-14-02 DIRECTOR DIVISION OF TRAFFIC DATE

PART II

SPECIAL PROVISIONS APPLICABLE TO PROJECT

SPECIAL PROVISION NO.

TITLE

NO SPECIAL PROVISIONS APPLY TO THIS PROJECT

PART III

EMPLOYMENT, WAGE AND RECORD REQUIREMENTS
(Copies of each Attached)

1. Schedule of Minimum Wages Established for the Project.
2. Labor and Wage Requirements, applicable to other than Federal-Aid System Contracts. (Rev. 2-16-95)
3. Executive Branch Code of Ethics.

**TRANSPORTATION CABINET
DIVISION OF CONTRACT PROCUREMENT
COMPLIANCE SECTION**

SHEET ONE

LETTING: 12-13-2002

PROJECT WAGE RATES

NELSON-BRECKINRIDGE-GRAYSON COUNTIES, FEGR 02 0000025

Various Routes

Cleaning and Painting

**HIGHWAY
BASIC HOURLY
RATES**

**FRINGE
BENEFIT PAYMENTS
COMBINED**

CRAFTS

Bullitt, Carroll, Grayson, Hardin, Henry, Jefferson, Larue, Marion, Meade, Nelson, Oldham, Shelby, Spencer and Trimble Counties:

Bricklayers.....	20.00.....	5.43
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Bracken, Gallatin, Grant, Mason and Robertson Counties:

Bricklayers.....	22.96.....	7.39
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Boyd, Carter, Elliott, Fleming, Greenup, Lewis and Rowan Counties:

Bricklayers.....	23.04.....	8.32
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Anderson, Bath, Bourbon, Boyle, Clark, Fayette, Franklin, Harrison, Jessamine, Madison, Mercer, Montgomery, Nicholas, Owen, Scott, Washington and Woodford Counties:

Bricklayers.....	18.75.....	5.55
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Layout Men.....	19.00.....	5.55
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Refractory/Acid Brick/Glass.....	19.25.....	5.55
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Breckinridge County:

Bricklayers.....	24.15.....	6.55
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All Counties

Carpenters:.....	21.45.....	6.13
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Piledrivermen.....	21.70.....	6.13
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Divers.....	32.55.....	6.13
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Bracken and Grant Counties:

Millwrights.....	21.90.....	7.92
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Anderson, Bath, Bourbon, Boyle, Clark, Fayette, Franklin, Harrison, Jessamine, Madison, Mercer, Montgomery, Nicholas, Owen, Scott and Woodford Counties:

Millwrights.....	19.50.....	9.53
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Boyd, Carter, Elliott, Fleming, Greenup, Lewis, Mason, Robertson, and Rowan Counties:

Millwrights.....	20.79.....	14.04
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Breckinridge, Bullitt, Carroll, Gallatin, Grayson, Hardin, Henry, Jefferson, Larue, Marion, Meade, Nelson, Oldham, Shelby, Spencer, Trimble and Washington Counties:

Millwrights.....	22.25.....	10.30
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Bracken, Gallatin and Grant Counties:

Electricians.....	23.53.....	7.20
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Sound Communications:

Installer.....	18.00.....	3.475
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CablePuller.....	9.00.....	2.64
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**TRANSPORTATION CABINET
DIVISION OF CONTRACT PROCUREMENT
COMPLIANCE SECTION**

PROJECT WAGE RATES

SHEET TWO 12-13-2002

NELSON-BRECKINRIDGE-GRAYSON COUNTIES, FEGR 02 0000025

	HIGHWAY BASIC HOURLY RATES	FRINGE BENEFIT PAYMENTS COMBINED
CRAFTS (continued)		
Boyd, Carter, Elliott and Rowan Counties:		
Electricians:		
Electricians	23.11	11.04
Cable Splicers	24.27	11.08
Anderson, Bath, Bourbon, Boyle, Breckinridge, Bullitt, Carroll, Clark, Fayette, Franklin, Grayson, Hardin, Harrison, Henry, Jefferson, Jessamine, Larue, Madison, Marion, Meade, Mercer, Montgomery, Nelson, Nicholas, Oldham, Owen, Robertson, Scott, Shelby, Spencer, Trimble, Washington and Woodford Counties:		
Electricians	24.25	8.24
Fleming, Greenup, Lewis and Mason Counties:		
Electricians	26.50	7.325
Bourbon (Northern third, including Townships of Jackson, Millersburg, Ruddel Mills & Shawhan); Carroll (Eastern third, including the Township of Ghent); Fleming (Western part, excluding Townships of Beechburg, Colfax, Elizaville, Flemingsburg, Flemingsburg Junction, Foxport, Grange City, Hillsboro, Hilltop, Mount Carmel, Muses Mills, Nepton, Pecksville, Plummers Landing, Plummers Mill, Poplar Plains, Ringos Mills, Tilton & Wallingford); Mason (Western two-thirds, including Townships of Dover, Lewisburg, Mays Lick, Maysville, Minerva, Moranburg, Murphysville, Ripley, Sardis, Shannon, South Ripley & Washington); Nicholas (Townships of Barefoot, Barterville, Carlisle, Ellisville, Headquarters, Henryville, Morningglory, Myers & Oakland Mills); Owen (Townships of Beechwood, Bromley, Fairbanks, Holbrook, Jonesville, Long Ridge, Lusby's Mill, New, New Columbus, New Liberty, Owenton, Poplar Grove, Rockdale, Sanders, Teresita & Wheatley); Scott (Northern two-thirds, including Townships of Biddle, Davis, Delaplain, Elmville, Longlick, Muddy Ford, Oxford, Rogers Gap, Sadieville, Skinnersburg & Stonewall) & Bracken, Gallatin, Grant, Harrison & Robertson Counties:		
Ironworkers:		
Structural	23.45	10.88
Fence Erector	21.11	10.88
Bourbon (Southern two-thirds, including Townships of Austerlity, Centerville, Clintonville, Elizabeth, Hutchison, Littlerock, North Middletown & Paris); Carroll (Western two-thirds, including Townships of Carrollton, Easterday, English, Locust, Louis, Prestonville & Worthville); Clark (Western two-thirds, including Townships of Becknerville, Flanagan, Ford, Pine Grove, Winchester & Wyandotte); Owen (Eastern eighth, including Townships of Glenmary, Gratz, Monterey, Perry Park & Tacketts Mill); Scott (Southern third, including Townships of Georgetown, Great Crossing, Newtown, Stamping Ground & Woodlake); Anderson, Boyle, Breckinridge, Bullitt, Fayette, Franklin, Grayson, Hardin, Henry, Jefferson, Jessamine, Larue, Madison, Marion, Meade, Mercer, Nelson, Oldham, Shelby, Spencer, Trimble, Washington & Woodford Counties:		
Ironworkers	23.25	10.87

**TRANSPORTATION CABINET
DIVISION OF CONTRACT PROCUREMENT
COMPLIANCE SECTION**

PROJECT WAGE RATES

SHEET THREE 12-13-2002

NELSON-BRECKINRIDGE-GRAYSON COUNTIES, FEGR 02 0000025

**HIGHWAY
BASIC HOURLY
RATES**

**FRINGE
BENEFIT PAYMENTS
COMBINED**

CRAFTS (continued)

Bourbon (Northern third, including Townships of Jackson, Millersburg, Ruddel Mills & Shawhan); Carroll (Eastern third, including the Townships of Ghent); Fleming (Western part, excluding Townships of Beechburg, Colfax, Elizaville, Flemingsburg, Flemingsburg Junction, Foxport, Grange City, Hillsboro, Hilltop, Mount Carmel, Muses Mills, Nepton, Pecksridge, Plummers Landing, Plummers Mill, Poplar Plains, Ringos Mills, Tilton & Wallingford); Mason (Western two-thirds, including Townships of Dover, Lewisburg, Mays Lick, Maysville, Minerva, Moranburg, Murphysville, Ripley, Sardis, Shannon, South Ripley & Washington); Nicholas (Townships of Barefoot, Barterville, Carlisle, Ellisville, Headquarters, Henryville, Morningglory, Myers & Oakland Mills); Owen (Townships of Beechwood, Bromley, Fairbanks, Holbrook, Jonesville, Long Ridge, Lusby's Mill, New, New Columbus, New Liberty, Owenton, Poplar Grove, Rockdale, Sanders, Teresita & Wheatley); Scott (Northern two-thirds, including Townships of Biddle, Davis, Delaplain, Elmville, Longlick, Muddy Ford, Oxford, Rogers Gap, Sadieville, Skinnersburg & Stonewall); Bracken, Gallatin, Grant, Harrison & Robertson Counties:

Ironworkers Reinforcing:

Up to and including 30- mile radius of Hamilton County, Ohio Courthouse..... 22.71.....10.47

Beyond 30- mile radius of Hamilton County, Ohio Courthouse 22.96.....10.47

Clark (Eastern third, including Townships of Bloomingdale, Hunt, Indian Fields, Kiddville, Loglick, Rightangele & Thomson); Fleming (Townships of Beechburg, Colfax, Elizaville, Flemingsburg, Flemingsburg Junction, Foxport, Grange City, Hillsboro, Hilltop, Mount Carmel, Muses Mills, Nepton, Pecksridge, Plummers Landing, Plummers Mill, Poplar Plains, Ringos Mills, Tilton & Wallingford); Mason (Eastern third, including Townships of Helena, Marshall, Orangeburg, Plumville & Springdale); Nicholas (Eastern eighth, including the Township of Moorefield Sprout); Bath, Boyd, Carter, Elliott, Greenup, Lewis, Montgomery & Rowan Counties:

Ironworkers:

Zone 1 24.92 11.14

Zone 2 25.32 11.14

Zone 3 27.32 11.14

Zone 1 - Up to 10 mi. radius of union hall, Ashland, KY, 1643 Greenup Avenue;

Zone 2 - 10 to 50 mi. radius of union hall;

Zone 3 - 50 mi. radius and beyond.

**TRANSPORTATION CABINET
DIVISION OF CONTRACT PROCUREMENT
COMPLIANCE SECTION**

PROJECT WAGE RATES

SHEET FOUR 12-13-2002

NELSON-BRECKINRIDGE-GRAYSON COUNTIES, FEGR 02 0000025

HIGHWAY BASIC HOURLY RATES	FRINGE BENEFIT PAYMENTS COMBINED
CRAFTS (continued)	
Anderson, Breckinridge, Bullitt, Carroll, Grayson, Hardin, Henry, Jefferson, Larue, Marion, Meade, Nelson, Oldham, Shelby, Spencer, Trimble and Washington Counties:	
Painters:	
Brush.....	17.02 5.92
Abrasive Blaster, Fireproofing, Lead Abatement, Spray, & Waterblasting	
4000 PSI and Above.....	17.52 5.92
Bracken, Gallatin, Grant, Mason, and Owen Counties:	
Painters:	
Elevated Tanks	22.05 4.70
(Heavy and Highway Bridges- Guardrails-Lightpoles-Striping):	
Bridge/Equipment Tender and/or	
Containment Builder.....	18.74 4.70
Brush and Roller.....	21.05 4.70
Spray.....	21.55 4.70
Sand Blasting and Hopper Tender; °	
Water Blasting.....	21.80 4.70
Bridges when highest point of	
Clearance is 60 feet or more;	
& Lead Abatement Projects	22.05 4.70
Sandblasting, Hopper Tender, Waterblasting	
Bridges when highest point of	
Clearance is 60 feet or more;.....	22.80 4.70
Bath, Bourbon, Boyle, Clark, Fayette, Fleming, Franklin, Harrison, Jessamine, Madison, Mercer, Montgomery, Nicholas, Robertson, Scott and Woodford Counties	
Painters:	
Brush; Roll; Spray; Sandblasting; Steam Cleaning; Steeplejack Work; Lead Abatement; & Coal Tar	
	16.81 2.60
Bridge/Equipment Tender and/or	
Containment Builder.....	17.96 2.60
Swing & Scaffold Bridges; Structural Steel; Open Acid Tanks; High Tension Electrical Equipment; & Hot Pipes	
	21.00 2.60
Boyd, Carter, Elliott, Greenup, Lewis and Rowan Counties	
Painters:	
Bridges.....	23.28 9.07
All Other Work.....	19.42 9.07

Three/Federal-State

**TRANSPORTATION CABINET
DIVISION OF CONTRACT PROCUREMENT
COMPLIANCE SECTION**

PROJECT WAGE RATES

SHEET FIVE 12-13-2002

NELSON-BRECKINRIDGE-GRAYSON COUNTIES, FEGR 02 0000025

	HIGHWAY BASIC HOURLY RATES	FRINGE BENEFIT PAYMENTS COMBINED
CRAFTS (continued)		
Breckinridge, Bullitt, Carroll (Western Half), Franklin (Western three-fourths), Grayson, Hardin, Henry, Jefferson, Larue, Marion, Meade, Nelson, Oldham, Shelby, Spencer, Trimble and Washington Counties:		
Plumbers; Gas Fitters:		
Plumbing contracts less than		
\$150,000.00	19.17	5.97
All other plumbing contracts:	24.15	5.97
Boyd, Carter, Elliott, Greenup, Lewis and Rowan Counties:		
Plumbers and Steamfitters	22.97	12.40
Bracken, Carroll (Eastern Half), Gallatin, Grant, Mason, Owen and Robertson Counties:		
Pipefitters and Plumbers	25.50	7.53
Anderson, Bath, Bourbon, Boyle, Clark, Fayette, Fleming, Franklin (Eastern one-fourth), Harrison, Jessamine, Madison, Mercer, Montgomery, Nicholas, Scott and Woodford Counties:		
Pipefitters and Plumbers:		
Projects over 1 ½ million dollars in piping contracts:		
ZONE 1	22.30	7.72
ZONE 2	23.30	7.72
Projects under 1 ½ million dollars in piping contracts:		
ZONE 1	18.92	7.72
ZONE 2	19.92	7.72
ZONE 1 - Within 25 mile radius of Fayette County Courthouse		
ZONE 2 - Beyond 25 mile radius of Fayette County Courthouse		
Breckinridge, Bullitt, Carroll (Western Half), Franklin (Western three fourths), Grayson, Hardin, Henry, Jefferson, Larue, Marion, Meade, Nelson, Oldham, Shelby, Spencer, Trimble and Washington Counties:		
Pipefitters and Steamfitters	25.90	8.98

LABORERS:

Aging and curing of concrete, asbestos abatement worker, asphalt plant, asphalt, batch truck dump, carpenter tender, cement mason tender, cleaning of machines, concrete, demolition, dredging, environmental - nuclear, radiation, toxic and hazardous waste - level D, flagperson, grade checker, hand digging and hand back filling, highway marker placer, landscaping mesh handler and placer, puddler, railroad, rip-rap and grouter, right-of-way sign, guard rail and fence installer, signal person, sound barrier installer, storm and sanitary sewer, swamper, truck spotter and dumper, and wrecking of concrete form.

BASE RATE	16.34
FRINGE BENEFITS	7.38

Three/Federal-State

**TRANSPORTATION CABINET
DIVISION OF CONTRACT PROCUREMENT
COMPLIANCE SECTION**

PROJECT WAGE RATES

SHEET SIX 12-13-2002

NELSON-BRECKINRIDGE-GRAYSON COUNTIES, FEGR 02 0000025

LABORERS: (continued)

Batter board man (sanitary and storm sewer), brickmason tender, mortar mixer operator, burner and welder, bushhammer, chain saw operator, concrete saw operator, deckhand scow man, dry cement handler, environmental - nuclear, radiation, toxic and hazardous waste - level C, forklift operator for masonry, form setter, green concrete cutting, hand operated grouter and grinder machine operator, jackhammer, pavement breaker, paving joint machine, pipelayer, plastic pipe fusion, power driven Georgia buggy and wheel barrow, power post hole digger, precast manhole setter, walk-behind tamper, walk-behind trencher, sand blaster, concrete chipper, surface grinder, vibrator operator and wagon driller.

BASE RATE 16.59
FRINGE BENEFITS 7.38

Air track driller, asphalt lutean and raker, gunnite nozzleman, gunnite operator and mixer, grout pump operator, powderman and blaster, side rail setter, rail paved ditch, screw operator, tunnel (free air) and water blaster.

BASE RATE 16.64
FRINGE BENEFITS 7.38

Caisson worker (free air), cement finisher, environmental - nuclear, radiation, toxic and hazardous waste - levels A and B, miner and driller (free air), tunnel blaster and tunnel mucker (free air).

BASE RATE 17.24
FRINGE BENEFITS 7.38

TEAMSTERS

BASE RATE

Mobile Batch Truck Tender 16.57

Greaser, Tire Changer and Mechanic Tender 16.68

Single Axle Dump, Flatbed, Semi-trailer or Pole Trailer when used to pull building materials and equipment, Tandem Axle Dump, Distributor, Mixer and Truck Mechanic 16.86

**TRANSPORTATION CABINET
DIVISION OF CONTRACT PROCUREMENT
COMPLIANCE SECTION**

PROJECT WAGE RATES

SHEET SEVEN 12-13-2002

NELSON-BRECKINRIDGE-GRAYSON COUNTIES, FEGR 02 0000025

TEAMSTERS(continued)

Euclid & Other Heavy Earthmoving Equipment & Lowboy, Articulator Cat, 5-Axle Vehicle, Winch & A-Frame when used in transporting materials, Ross Carrier, Forklift when used to transport building materials and Pavement Breaker..... 16.96

FRINGE BENEFITS..... 7.34

OPERATING ENGINEERS:

A-Frame winch truck, auto patrol, backfiller, batcher plant, bituminous paver, bituminous transfer machine, boom cat, bulldozer, mechanic, cableway, carry-all scoop, carry deck crane, central compressor plant, clamshell, concrete mixer (21 cu. ft. or over), concrete paver, truck-mounted concrete pump, core drill, crane, crusher plant, derrick, derrick boat, ditching and trenching machine, dragline, dredge operator, dredge engineer, elevating grader and loaders, grade-all, guries, heavy equipment robotics operator/mechanic, high lift, hoe-type machine, hoist (two or more drums), hoisting engine (two or more drums), horizontal directional drill operator, hydrocrane, hyster, KeCal loader, Letourneau, locomotive, mechanically operated laser screed, mechanic welder, mucking machine, motor scraper, orangepeel bucket, piledriver, power blade, pumpcrete, push dozer, rock spreader attached to equipment, rotary drill, roller (bituminous), scarifier, scoopmobile, shovel, side boom, subgrader, tailboom, telescoping type forklift, tow or push boat, tower crane (French, German and other types), tractor shovel and truck crane, tunnel mining machines, including moles, shields or similar types of tunnel mining equipment.

BASE RATE 20.85

FRINGE BENEFITS 8.40

Air compressor (over 900 cu. ft. per min.), bituminous mixer, boom type tamping machine, bull float, concrete mixer (under 21 cu. ft.), dredge engineer, electric vibrator compactor/self-propelled compactor, elevator (one drum or buck hoist), elevator (when used to hoist building material), finish machine, fireman & hoist (one drum), flexplane, forklift (regardless of lift height), form grader, joint sealing machine, outboard motor boat, power sweeper (riding type), roller (rock), ross carrier, skid mounted or trailer mounted concrete pump, switchman or brakeman, throttle valve person, tractair and road widening trencher, tractor (50 H.P. or over), truck crane oiler, tugger, welding machine, well points and whirley oiler.

BASE RATE 18.43

FRINGE BENEFITS 8.40

Three/Federal-State

**TRANSPORTATION CABINET
DIVISION OF CONTRACT PROCUREMENT
COMPLIANCE SECTION**

PROJECT WAGE RATES

SHEET EIGHT 12-13-2002

NELSON-BRECKINRIDGE-GRAYSON COUNTIES, FEGR 02 0000025

OPERATING ENGINEERS: (continued)

Bituminous distributor, burlap and curing machine, cement gun, concrete saw, conveyor, deckhand oiler, grout pump, hydraulic post driver, hydro seeder, mud jack, oiler, paving joint machine, power form handling equipment, pump, roller (earth), steerman, tamping machine, tractor (under 50 H.P.) and vibrator.

BASE RATE 18.17

FRINGE BENEFITS 8.40

Greaser on grease facilities servicing heavy equipment.

BASE RATE 18.81

FRINGE BENEFITS 8.40

Operators on cranes with booms one hundred fifty feet (150') and over (including jib) shall receive fifty (\$.50) cents above Base Rate.

Employees assigned to work below ground level are to be paid 10% above basic wage rate. This does not apply to open cut work.

WELDERS - Receive rate for craft in which welding is incidental.

Fringe benefit amounts are applicable for all hours worked except when otherwise noted.

These rates are listed pursuant to Kentucky Determination No. CR-01-III HWY dated October 8, 2001 and/or Federal Decision Number KY 020027 dated March 1, 2002, modification #1 dated April 5, 2002, modification #2 dated May 3, 2002, modification #3 dated June 21, 2002, modification #4 dated July 5, 2002, modification #5 dated August 16, 2002, modification #6 dated September 13, 2002, modification #7 dated October 4, 2002 and modification #8 dated November 8, 2002.

No laborer, workman or mechanic shall be paid at a rate less than that of a Journeyman except those classified as bona fide apprentices.

**TRANSPORTATION CABINET
DIVISION OF CONTRACT PROCUREMENT
COMPLIANCE SECTION**

PROJECT WAGE RATES

SHEET NINE 12-13-2002

NELSON-BRECKINRIDGE-GRAYSON COUNTIES, FEGR 02 0000025

Apprentices or trainees shall be permitted to work as such subject to Administrative Regulations adopted by the Commissioner of Workplace Standards. Copies of these regulations will be furnished upon request from any interested person.

Before using apprentices on the job the contractor shall present to the Contracting Officer written evidence of registration of such employees in a program of a State apprenticeship and training agency approved and recognized by the U. S. Bureau of Apprenticeship and Training. In the absence of such a State agency, the contractor shall submit evidence of approval and registration by the U. S. Bureau of Apprenticeship and Training.

The contractor shall submit to the Contracting Officer, written evidence of the established apprenticeship-journeyman ratios and wage rates in the project area, which will be the basis for establishing such ratios and rates for the project under the applicable contract provisions.

TO: EMPLOYERS/EMPLOYEES

PREVAILING WAGE SCHEDULE:

The wages indicated on this wage schedule are the least permitted to be paid for the occupations indicated. When an employee works in more than one classification, the employer must record the number of hours worked in each classification at the prescribed hourly base rate.

OVERTIME:

Overtime is to be paid after an employee works eight (8) hours a day or forty (40) hours a week, whichever gives the employee the greater wages. At least time and one-half the base rate is required for all overtime. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate. Wage violations or questions should be directed to the designated Engineer or the undersigned.

Rick Stansel, Director
Division of Contract Procurement
Frankfort, Kentucky 40622

Three/Federal-State

TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

LABOR AND WAGE REQUIREMENTS
APPLICABLE TO OTHER THAN FEDERAL-AID SYSTEM PROJECTS

- I. Application
- II. Nondiscrimination of Employees (KRS 344)
- III. Payment of Predetermined Minimum Wages
- IV. Statements and Payrolls

I. APPLICATION

1. These contract provisions shall apply to all work performed on the contract by the contractor with his own organization and with the assistance of workmen under his immediate superintendence and to all work performed on the contract by piecework, station work or by subcontract. The contractor's organization shall be construed to include only workmen employed and paid directly by the contractor and equipment owned or rented by him, with or without operators.

2. The contractor shall insert in each of his subcontracts all of the stipulations contained in these Required Provisions and such other stipulations as may be required.

3. A breach of any of the stipulations contained in these Required Provisions may be grounds for termination of the contract.

II. NONDISCRIMINATION OF EMPLOYEES

AN ACT OF THE KENTUCKY
GENERAL ASSEMBLY TO PREVENT
DISCRIMINATION IN EMPLOYMENT
KRS CHAPTER 344
EFFECTIVE JUNE 16, 1972

The contract on this project, in accordance with KRS Chapter 344, provides that during the performance of this contract, the contractor agrees as follows:

1. The contractor shall not fail or refuse to hire, or shall not discharge any individual, or otherwise discriminate against an individual with respect to his compensation, terms, conditions, or privileges of employment, because of such individual's race, color, religion, national origin, sex, disability or age (between forty and seventy); or limit, segregate, or classify his employees in any way which would deprive or tend to deprive an individual of employment opportunities or otherwise adversely affect his status as an employee, because of such individual's race, color, religion, national origin, sex, disability or age (between forty and seventy). The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

2. The contractor shall not print or publish or cause to be printed or published a notice or advertisement relating to employment by such an employer or membership in or any classification or referral for employment by the employment agency, indicating any preference, limitation, specification, or discrimination, based on race, color, religion, national origin, sex, disability or age (between forty and seventy), except that such notice or advertisement may indicate a preference, limitation, or specification based on religion, or national origin when religion, or national origin is a bona fide occupational qualification for employment.

3. If the contractor is in control of apprenticeship or other training or retraining, including on-the-job training programs, he shall not discriminate against an individual because of his race, color, religion, national origin, sex, disability or age (between forty and seventy), in admission to, or employment in

any program established to provide apprenticeship or other training.

4. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for non-compliance.

III. PAYMENT OF PREDETERMINED
MINIMUM WAGES

1. These special provisions are supplemented elsewhere in the contract by special provisions which set forth certain predetermined minimum wage rates. The contractor shall pay not less than those rates.

2. The minimum wage determination schedule shall be posted by the contractor, in a manner prescribed by the Department of Highways, at the site of the work in prominent places where it can be easily seen by the workers.

IV. STATEMENTS AND PAYROLLS

1. All contractors and subcontractors affected by the terms of KRS 337.505 to 337.550 shall keep full and accurate payroll records covering all disbursements of wages to their employees to whom they are required to pay not less than the prevailing rate of wages. Payrolls and basic records relating thereto will be maintained during the course of the work and preserved for a period of one (1) year from the date of completion of this contract.

2. The payroll records shall contain the name, address and social security number of each employee, his correct classification, rate of pay, daily and weekly number of hours worked, itemized deductions made and actual wages paid.

3. The contractor shall make his daily records available at the project site for inspection by the State Department of Highways contracting office or his authorized representative.

Periodic investigations shall be conducted as required to assure compliance with the labor provisions of the contract. Interrogation of employees and officials of the contractor shall be permitted during working hours.

Aggrieved workers, Highway Managers, Assistant District Engineers, Resident Engineers and Project Engineers shall report all complaints and violations to the Division of Contract Procurement.

The contractor shall be notified in writing of apparent violations. The contractor may correct the reported violations and notify the Department of Highways of the action taken or may request an informal hearing. The request for hearing shall be in writing within ten (10) days after receipt of the notice of the reported violation. The contractor may submit records and information which will aid in determining the true facts relating to the reported violations.

Any person or organization aggrieved by the action taken or the findings established as a result of an informal hearing by the Division of Contract Procurement may request a formal hearing.

4. The wages of labor shall be paid in legal tender of the United States, except that this condition will be considered satisfied if payment is made by a negotiable check, on a solvent bank, which may be cashed readily by the employee in the local community for the full amount, without discount or collection charges of any kind. Where checks are used for payments, the contractor shall make all necessary arrangements for them to be cashed and shall give information regarding such arrangements.

5. No fee of any kind shall be asked or accepted by the contractor or any of his agents from any person as a condition of employment on the project.

6. No laborers shall be charged for any tools used in performing their respective duties except for reasonably avoidable loss or damage thereto.

7. Every employee on the work covered by this contract shall be permitted to lodge, board, and trade where and with whom he elects and neither the contractor nor his agents, nor his employees shall directly or indirectly require as a condition of employment that an employee shall lodge, board or trade at a particular place or with a particular person.

8. Every employee on the project covered by this contract shall be an employee of either the prime contractor or an approved subcontractor.

9. No charge shall be made for any transportation furnished by the contractor or his agents to any person employed on the work.

10. No individual shall be employed as a laborer or mechanic on this contract except on a wage basis, but this shall not be construed to prohibit the rental of teams, trucks or other equipment from individuals.

No Covered employee may be employed on the work except in accordance with the classification set forth in the schedule mentioned above; provided, however, that in the event additional classifications are required, application shall be made by the contractor to the Department of Highways and (1) the Department shall request appropriate classifications and rates from the proper agency, or (2) if there is urgent need for additional classification to avoid undue delay in the work, the contractor may employ such workmen at rates deemed comparable to rates established for similar classifications provided he has made written application through the Department of Highways, addressed to the proper agency, for the supplemental rates. The contractor shall retroactively adjust, upon receipt of the supplemental rates schedule, the wages of any employee paid less than the established rate and may adjust the wages of any employee overpaid.

11. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any laborer or mechanic in any work-week in which he is employed on such work, to work in excess of eight hours in any calendar day or in excess of forty hours in such work-week unless such laborer or mechanic receives compensation at a rate not less than one and one half times his basic rate of pay for all hours worked in excess of eight hours in any calendar day or in excess of forty hours in such work-week. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate. This agreement shall be in writing and shall be executed prior to the employee working in excess of eight (8) hours, but not more than ten (10) hours, in any one (1) calendar day.

12. Payments to the contractor may be suspended or withheld due to failure of the contractor

to pay any laborer or mechanic employed or working on the site of the work, all or part of the wages required under the terms of the contract. The Department may suspend or withhold payments only after the contractor has been given written notice of the alleged violation and the contractor has failed to comply with the wage determination of the Department of Highways.

13. Contractors and subcontractors shall comply with the sections of Kentucky Revised Statutes, Chapter 337 relating to contracts for Public Works.

Revised 2-16-95

EXECUTIVE BRANCH CODE OF ETHICS

In the 1992 regular legislative session, the General Assembly passed and Governor Brereton Jones signed Senate Bill 63 (codified as KRS 11A), the Executive Branch Code of Ethics, which states, in part:

KRS 11A.040 (6) provides:

No present or former public servant shall, within six (6) months of following termination of his office or employment, accept employment, compensation or other economic benefit from any person or business that contracts or does business with the state in matters in which he was directly involved during his tenure. This provision shall not prohibit an individual from returning to the same business, firm, occupation, or profession in which he was involved prior to taking office or beginning his term of employment, provided that, for a period of six (6) months, he personally refrains from working on any matter in which he was directly involved in state government. This subsection shall not prohibit the performance of ministerial functions, including, but not limited to, filing tax returns, filing applications for permits or licenses, or filing incorporation papers.

KRS 11A.040 (8) states:

A former public servant shall not represent a person in a matter before a state agency in which the former public servant was directly involved, for a period of one (1) year after the latter of:

- a) The date of leaving office or termination of employment; or
- b) The date the term of office expires to which the public servant was elected.

This law is intended to promote public confidence in the integrity of state government and to declare as public policy the idea that state employees should view their work as a public trust and not as a way to obtain private benefits.

If you have worked for the executive branch of state government within the past six months, you may be subject to the law's prohibitions. The law's applicability may be different if you hold elected office or are contemplating representation of another before a state agency.

Also, if you are affiliated with a firm which does business with the state and which employs former state executive-branch employees, you should be aware that the law may apply to them.

In case of doubt, the law permits you to request an advisory opinion from the Executive Branch Ethics Commission, Room 136, Capitol Building, 700 Capitol Avenue, Frankfort, Kentucky 40601; telephone (502) 564-7954.

PART IV

INSURANCE

The Contractor shall carry the following insurance in addition to the insurance required by law:

- (1) Contractor's Public Liability Insurance not less than \$100,000.00 for damages arising out of bodily injuries to or death to one person. Not less than \$300,000.00 for damages arising out of bodily injuries to or death to two or more persons.
- (2) Contractor's Property Damages Liability Insurance. Not less than \$100,000.00 for all damages arising out of injury or destruction of property in any one accident. Not less than \$300,000.00 for all damages during the policy period.
- (3) Contractor's Protective Public Liability and Property Damage Insurance. The contractor shall furnish evidence with respect to operations performed for him by subcontractors that he carries in his own behalf for the above stipulated amounts.
- (4) The insurance required above must be evidenced by a Certificate of Insurance and this Certificate of Insurance must contain one of the following statements:
 - a. "policy contains no deductible clauses."
 - b. "policy contains a _____ deductible property
(amount)
damage clause but company will pay claim and collect
the deductible from the insured."
- (5) WORKMEN'S COMPENSATION INSURANCE. The contractor shall furnish evidence of coverage of all his employees or give evidence of self-insurance by submitting a copy of a certificate issued by the Workmen's Compensation Board.

PART V

STATEMENT OF INCOMPLETED WORK

1. Status of Active Prime Contracts.

Attached

1. STATUS OF ALL INCOMPLETED PRIME CONTRACTS

All active prime contracts must be reported. This includes prime contracts with public and private owners and joint-ventured contracts. The names of the joint venturers must be shown when reporting these projects. A machine or typed listing reporting the status of each contract is acceptable when attached to this report; however, the total amounts on the itemized listing must be reported in the space provided below:

CONTRACT WITH	PROJECT IDENTIFICATION	PRIME CONTRACT AMOUNT	EARNINGS THROUGH LAST APPROVED ESTIMATE	TOTAL AMOUNT OF WORK REMAINING
TOTAL (Attach Summary if not itemized above)		\$	\$	\$

PART VI

BID ITEMS

THE QUANTITY SHEET(S) REPRESENTS THE ESTIMATED QUANTITIES (ONLY) FOR THE SUBJECT PROJECT.
PROPOSAL(S) MAY NOT BE AVAILABLE WHEN THE QUANTITIES ARE POSTED.
YOUR BID **WILL NOT** BE CONSIDERED IF THESE SHEET(S) ARE MADE A PART OF THE BID PROPOSAL
WHICH YOU SUBMIT TO THE KENTUCKY DEPARTMENT OF HIGHWAYS.

TRANSPORTATION CABINET

Department of Highways

FRANKFORT, KY 40622

Sheet No: 1

PCN: 02-0758

Letting: 12/13/2002

VARIOUS COUNTIES

FE GR 02 0000025

Item No.	Code No.	Item	Approximate Quantity	Unit	Unit Price Dollars	Amount Dollars
1	8434	CLEAN & PAINT STRUCTURAL STEEL (B51)	1.00	LP SUM		
2	8434	CLEAN & PAINT STRUCTURAL STEEL (B2)	1.00	LP SUM		
3	8434	CLEAN & PAINT STRUCTURAL STEEL (B1)	1.00	LP SUM		
4	2650	MAINTAIN AND CONTROL TRAFFIC (B51)	1.00	LP SUM		
5	2650	MAINTAIN AND CONTROL TRAFFIC (B2)	1.00	LP SUM		
6	2650	MAINTAIN AND CONTROL TRAFFIC (B1)	1.00	LP SUM		
7	2569	DEMOBILIZATION	1.00	LP SUM		
8		TOTAL BID			\$.

PART VII

CERTIFICATIONS

- | | | |
|----|---|----------|
| 1. | Provisions Relative to Senate Bill 258 (1994) | Attached |
| 2. | Non-Collusion Certification | Attached |
| 3. | Certification of Bid Proposal | Attached |

PROVISIONS RELATIVE TO SENATE BILL 258 (1994)

During the performance of the contract, the contractor agrees to comply with applicable provisions of:

1. KRS 136 Corporation and Utility Taxes
2. KRS 139 Sale and Use Taxes
3. KRS 141 Income Taxes
4. KRS 337 Wages and Hours
5. KRS 338 Occupational Safety and Health of Employees
6. KRS 341 Unemployment Compensation
7. KRS 342 Workers Compensation

Any final determinations of a violation by the contractor within the previous five (5) years pursuant to the applicable statutes above are revealed as follows:

NON-COLLUSION CERTIFICATION

COMMONWEALTH OF KENTUCKY
COUNTY _____
PROJECT NO. _____

I, _____, _____, under
(Name of officer signing certification) (Title)
penalty of perjury under the laws of the United States, do hereby certify that

(Insert name of Individual, Joint Venture, Co-partnership, or Corporation submitting bid)
its agent, officers or employees have not directly or indirectly entered into any
agreement, participated in any collusion, or otherwise taken action in restraint of free
competitive bidding in connection with this proposal.

(Signature)

(Title)

REVISED: 8-23-89

NON-COLLUSION CERTIFICATION

COMMONWEALTH OF KENTUCKY
COUNTY _____
PROJECT NO. _____

I, _____, _____, under
(Name of officer signing certification) (Title)
penalty or perjury under the laws of the United States, do hereby certify that

(Insert name of Individual, Joint Venture, Co-partnership, or Corporation submitting bid)
its agent, officers or employees have not directly or indirectly entered into any
agreement, participated in any collusion, or otherwise taken action in restraint of free
competitive bidding in connection with this proposal.

(Signature)

(Title)

REVISED: 8-23-89

CERTIFICATION OF BID PROPOSAL

We (I) propose to furnish all labor, equipment and materials necessary to construct and/or improve the subject project in accordance with the plans, the Transportation Cabinet's Standard Specifications for Road and Bridge Construction, current edition, special provisions, notes applicable to the project as indicated herein and all addenda issued on this project subsequent to purchase of proposal.

We (I) attach a bid proposal guaranty as provided in the special provisions in an amount not less than 5% of the total bid. We agree to execute a contract in accordance with this bid proposal within 15 calendar days after the receipt of the notice of award for the project.

We (I) have examined the site of proposed work, project plans, specifications, special provisions, and notes applicable to the project referred to herein. We understand that the quantities shown herein are estimated quantities subject to increase or decrease as provided in the specifications.

Name of Contracting Firm

BY: _____

Authorized Agent

Title

Address

City

State

Zip Code

Telephone Number

When two or more organizations bid as a joint venture, enter names of each organization and an authorized agent for each organization must sign above.